

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: WHITE SPIRIT****CAS Number:**

64742-82-1

EINECS Number: 919-446-0**Registration number:** 01-2119458049-33-XXXX**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category

PC1 Adhesives, sealants

PC3 Air care products

PC4 Anti-Freeze and de-icing products

PC8 Biocidal products

PC9a Coatings and paints, thinners, paint removers

PC9b Fillers, putties, plasters, modelling clay

PC9c Finger paints

PC12 Fertilisers

PC13 Fuels

PC15 Non-metal-surface treatment products

PC16 Heat transfer fluids

PC17 Hydraulic fluids

PC18 Ink and toners

PC23 Leather treatment products

PC24 Lubricants, greases, release products

PC27 Plant protection products

PC31 Polishes and wax blends

PC34 Textile dyes, and impregnating products

PC35 Washing and cleaning products (including solvent based products)

PC38 Welding and soldering products, flux products

Process category

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4 Chemical production where opportunity for exposure arises

PROC5 Mixing or blending in batch processes

PROC7 Industrial spraying

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC10 Roller application or brushing

PROC11 Non industrial spraying

(Contd. on page 2)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 1)

- PROC13 Treatment of articles by dipping and pouring
- PROC14 Tableting, compression, extrusion, pelletisation, granulation
- PROC15 Use as laboratory reagent
- PROC16 Use of fuels
- PROC17 Lubrication at high energy conditions in metal working operations
- PROC18 General greasing /lubrication at high kinetic energy conditions
- PROC19 Manual activities involving hand contact
- PROC20 Use of functional fluids in small devices

Environmental release category

- ERC1 Manufacture of the substance
- ERC2 Formulation into mixture
- ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
- ERC7 Use of functional fluid at industrial site
- ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
- ERC9a Widespread use of functional fluid (indoor)
- ERC9b Widespread use of functional fluid (outdoor)
- ERC8f Widespread use leading to inclusion into/onto article (outdoor)

Application of the substance / the mixture:**Industry**

- Use in cleaning agents
- Use in Lubricants
- Use in Use in metal working fluids/rolling oils
- Use in fuel
- Use as functional fluids
- Distribution of substance
- Formulation and (re)packing of substances and mixtures
- Manufacture of substance
- Use in coatings
- Use in laboratories

Professional:

- Use in cleaning agents
- Use in Lubricants
- Use in metal working fluids/rolling oils
- Use in agrochemicals
- Use in fuel
- Use as functional fluids
- Use in road and construction products
- Use in coatings
- Use in laboratories

Consumers:

- Use in coatings
- Use in agrochemicals
- Use in cleaning agents
- Use in fuel
- Use as functional fluids

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Coral S.A.
12A Irodou Attikou st.
151 24, Marousi

(Contd. on page 3)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

Tel. : 2109476000
e-mail: irini.pagopoulou@ceg.gr
1.4 Emergency telephone number:

(Contd. of page 2)



European Emergency Tel.: 112

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS02



GHS07



GHS08



GHS09

Signal word: Danger**Hazard-determining components of labelling:**

Hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)

(Contd. on page 4)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 3)

Hazard statements:

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.*** SECTION 3: Composition/information on ingredients****3.1 Chemical characterisation: Substances****CAS No. Description**

64742-82-1 Hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%) - 100 w/w.

Additional information: contains benzene <0,1%.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

Seek immediate medical advice.

After inhalation:

Take affected persons into fresh air and keep quiet.

In case of unconsciousness place patient stably in side position for transportation.

Avoid breathing vapor, mist or spray

If breathing is difficult, supply oxygen.

If breathing has stopped, provide artificial respiration by trained personnel.

Do not use mouth to mouth or mouth to nose resuscitation.

Loose any tight clothing (tie, collar, belt)

Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 5)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 4)

If skin irritation continues, consult a doctor.
Flush contaminated skin with plenty of water.
Wash contaminated clothing before use.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Check for and remove any contact lenses.
Continue to rinse for at least 10 minutes.
Get medical attention if irritation occurs.
Avoid strong water jet-risk of cornea damage, consult a doctor.

After swallowing:

Drink small quantities of water and stay in fresh air.
Do not induce vomiting; call for medical help immediately.
A person vomiting while laying on their back should be turned onto their side.
Keep person warm and at rest.
Never give anything by mouth to an unconscious person.
Loosen tight clothing such as necktie, belt, collar.

4.2 Most important symptoms and effects, both acute and delayed**SYMPTOMS:**

- INHALATION: It may cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
- SKIN CONTACT: May cause moderate skin irritation, degreasing, and dermatitis.
- EYE CONTACT: May cause tearing and blushing, but is not likely to permanently injure ocular tissues. It may also cause temporary blurred vision.
- INGESTION: Irritating to the mouth, throat and stomach. It may cause abdominal discomfort, nausea, vomiting and diarrhea.

Information for doctor:

If swallowed, it may be absorbed into the lungs and cause chemical pneumonia.
Appropriate treatment is recommended.

Hazards Aspiration into the lungs can cause fatal chemical pneumonitis.

4.3 Indication of any immediate medical attention and special treatment needed

Contact Poison Center or doctor. All treatments should be based on observed signs and symptoms of patient pain.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: CO₂, foam, extinguishing powder, water spray

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Excess pressure may form in containers exposed to fire at a risk of explosion.

During heating or in case of fire poisonous gases are produced.

Vapor is heavier than air. Vapor may travel across the ground and reach remote ignition sources, causing a flashback fire danger.

5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident.

Keep containers cool using water spray.

Due to the toxicity of released gases during thermal degradation of the product, it is recommended to fire-fighters to be equipped with a respiratory device.

(Contd. on page 6)

—GB—

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 5)

Protective equipment:

In case of a large fire or in confined or poorly ventilated spaces wear full fire resistant protective clothing and self contained breathing apparatus (SCBA) with a full space-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Particular danger of slipping on leaked/spilled product.

Mouth respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

6.1.1 For non-emergency personnel

Ensure sufficient ventilation.

Caution for slippery surfaces.

Do not inhale vapours.

Avoid contact with dripping or leaking material

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Do not allow to penetrate the ground/soil.

Inform respective authorities in case of seepage into water course or sewage system.

Prevent from spreading.

May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

Dispose contaminated material as waste according to item 13.

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Open and handle receptacle with care.

(Contd. on page 7)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 6)

Avoid contact with eyes, hands and clothing.
Ensure good ventilation.
Wash contaminated clothing before reuse.
Wash hands before each break and after finishing work.
Handle with care. Avoid jolting, friction and impact.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.
Do not spray onto a naked flame or any incandescent material.
Flammable gas-air mixtures may form in empty receptacles.
Keep it in a dry, cool, well ventilated, fixed in advance place, away from sources of heat, flames, ignition and direct sunlight.

7.2 Conditions for safe storage, including any incompatibilities**Storage:** Keep containers tightly closed in a dry, cool, well-ventilated area.**Requirements to be met by storerooms and receptacles:**

Store in a cool location.
Prevent any seepage into the ground.
Keep only in the original container.
Store away from sources of ignition
Store away from oxidizing agents.
Provide ventilation for receptacles.

Information about storage in one common storage facility:

Store away from foodstuffs and feed products
Store away from oxidizing agents.

Further information about storage conditions:

Store under lock and key and with access restricted to technical experts or their assistants only.
Protect from heat and direct sunlight.
Use original container.
Stored in appropriately labeled containers.

7.3 Specific end use(s) No further relevant information available.*** SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:** Not required.**DNEL Workers Acute/short term exposure systemic effects** Inhalation: 570 mg/m³**DNEL Workers Long term exposure systemic effects**

Dermal: 44 mg/kg bw/day

Inhalation: 330 mg/m³**DNEL Consumers Long-term exposure systemic effects**

Dermal: 26 mg/kg bw/day

Inhalation: 71 mg/m³

Oral: 26 mg/kg bw/day

8.2 Exposure controls**8.2.1. Appropriate engineering controls**

Good ventilation in working place.

(Contd. on page 8)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 7)

Eye washes and showers for emergency use.
Explosion protection required.

Personal protective equipment**General protective and hygienic measures:**

Do not eat, drink or smoke while using the product.
Wash the contaminated clothes before reusing.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Wear suitable gloves (EN 374)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Material of gloves

Nitrile, PVC gloves

Viton

Nitrile rubber, NBR

Permeation time \geq 8 hours

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Breakthrough time of the glove material > 8 hours

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Wear anti-static protective clothing according to European Standard EN 1149.



Boots

(Contd. on page 9)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 8)

Environmental exposure controls:

If there are any established local limits for the emission of dangerous substances should be followed.

In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

* **SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

Form:	Liquid
Colour:	Colourless
Odour:	Hydrocarbon
Odour threshold:	Not determined

pH value: Not determined

Melting point/freezing point: < -20 °C

Initial boiling point and boiling range: 135-200 °C

Flash point: 41 °C (Open Cup)
Closed cup: < 38,5°C.

Flammability (solid, gas): Flammable in the presence of the following materials or conditions:
open flames, sparks and static discharge and heat.

Auto-ignition temperature: > 200 °C

Decomposition temperature: Not determined

Auto-ignition temperature: Not determined.

Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower: 0.6 Vol %

Upper: 7.2 Vol %

Oxidising properties Not considered as oxidising.

Vapour pressure: 0.23 kPa (Room Temperature)

Density at 15 °C: 0.72-0.82 g/cm³

Relative density 720

Vapour density Not determined

Evaporation rate Not determined

Solubility in / Miscibility with water:

Insoluble in hot and cold water.

Partition coefficient: n-octanol/water: Not determined

Viscosity:

Dynamic: Not determined

(Contd. on page 10)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 9)

Kinematic: 0.012 cm²/s (room temperature)
Kinematic viscosity at 40 °C 0.00918 cm²/s
9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity** Stable under normal conditions**10.2 Chemical stability** Material is stable under normal conditions.**Thermal decomposition / conditions to be avoided**

To avoid thermal decomposition do not overheat.

Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** Avoid heat, sparkles, naked flame or other sources of ignition.**10.5 Incompatible materials** Oxidising agents**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****CAS: 64742-82-1 Hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Oral	LD50	>15000 mg/kg (rat)
	NOAEL(90d)	>1056 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rabbit)
	NOAEL(90d)	>490 mg/kg (rat)
Inhalative	LC50(4h)	>13.1 mg/l (rat)
	NOAEL(90d)	690 mg/m ³ (rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure**

The product is classified as Specific Target Organ Toxicity after single exposure Category 3

May cause drowsiness or dizziness.

STOT-repeated exposure

The product is classified as Specific Target Organ Toxicity after repeated exposure Category 1

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

The product is classified Aspiration toxicity Category 1

May be fatal if swallowed and enters airways.

GB

(Contd. on page 11)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 10)

*

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****CAS: 64742-82-1 Hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)**

EC50(96h)	10 - 30 mg/l (Con)
NOEC(21d)	0.28 mg/l (daphnia magna)
NOEC(28d)	0.13 mg/l (Con)
EC50 (72h)	4.6-10 mg/l (algae)
EC50 (48h)	10-20 mg/l (daphnia magna)

12.2 Persistence and degradability 74,7 % - Readily - 28 days**12.3 Bioaccumulative potential**

BCF: 10- 2500

Potential: High

12.4 Mobility in soil No further relevant information available.**Ecotoxicological effects:****Remark:** Toxic for fish**Additional ecological information:****General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

The product contains materials that are harmful to the environment.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.

*

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation**

Dispose according to National Regulations.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

(Contd. on page 12)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 11)

Emptied container might retain product residues. Follow all warnings even after the container is emptied.
 Empty containers may contain highly flammable residues.
 Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.

SECTION 14: Transport information**14.1 UN-Number**

ADR, IMDG, IATA

UN1300

14.2 UN proper shipping name

ADR

1300 TURPENTINE SUBSTITUTE,
 ENVIRONMENTALLY HAZARDOUS
 TURPENTINE SUBSTITUTE, MARINE POLLUTANT
 TURPENTINE SUBSTITUTE

IMDG

IATA

14.3 Transport hazard class(es)

ADR, IMDG



Class

3 Flammable liquids.

Label

3

IATA



Class

3 Flammable liquids.

Label

3

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Marine pollutant:

Environmental Hazardous

Yes

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Flammable liquids.

EMS Number:

F-E,S-E

Stowage Category

A

14.7 Transport in bulk according to Annex II of

Marpol and the IBC Code

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

(Contd. on page 13)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 12)

Tunnel restriction code

D/E

IMDG**Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation":UN 1300 TURPENTINE SUBSTITUTE, 3, III,
ENVIRONMENTALLY HAZARDOUS**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2015/830

CLP Regulation 1272/2008/EC

Constituents of the mixture that fall within the scope of REACH Regulation 1907/2006/EC, have been (pre)-registered.

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients is listed.**Seveso category**

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

The substance is not SVHC.

15.2 Chemical safety assessment: The chemical safety report has been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Training hints

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

(Contd. on page 14)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2015/830 and Regulation No 1272/2008/EC (CLP)

Printing date 02.05.2019

Version number 3

Revision: 02.05.2019

Trade name: WHITE SPIRIT

(Contd. of page 13)

Department issuing SDS:

SUSTCHEM S.A.
REACH & Chemical Services Department
A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
T: +30 210 8252510 | F: +30 210 8252575
W: www.sustchem.gr | E: info@suschem.gr

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

*** Data compared to the previous version altered.**

GB

Annex to the extended Safety Data Sheet (eSDS)

Consumer

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in coatings - Consumer

List of use descriptors : **Identified use name:** Use in coatings - Consumer
Substance supplied to that use in form of: As such
Sector of end use: SU21
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOC SpERC 8.3c.v1
Market sector by type of chemical product: PC01, PC04, PC08, PC09a, PC09b, PC09c, PC15, PC18, PC23, PC24, PC31, PC34

Environmental contributing scenarios : **Use in coatings**Health Contributing scenarios : **Use in coatings****Section 2 - Exposure controls**

Contributing scenario controlling environmental exposure for 0: Use in coatings

Contributing scenario controlling consumer exposure for 1: Use in coatings
Conditions and measures related to personal protection and hygiene**Section 3 - Exposure estimation and reference to its source**

Website: : Not available.

Exposure estimation and reference to its source - Environment: 1: Use in coatings

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)**Exposure estimation and reference to its source - Consumers: 0: Use in coatings**

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : ECETOC TRA consumer V3**Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES**

Environment : Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. - Further details on scaling and control technologies are provided in SPERC factsheet.

Health : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. - Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA**Environment** : Not available.**Health** : Not available.***[919-446-0] Use in coatings - Consumer***

Annex to the extended Safety Data Sheet (eSDS)

Consumer

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Lubricants - Consumer: Low Environmental Release scenario

List of use descriptors : **Identified use name:** Use in Lubricants. Consumer: Low release
Sector of end use: SU21
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC09a, ERC09b, ESVOC SpERC 9.6d.v1
Market sector by type of chemical product: PC01, PC24, PC31

Environmental contributing scenarios : Use in Lubricants.

Health Contributing scenarios : Use in Lubricants.

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in Lubricants.

Contributing scenario controlling consumer exposure for 1: Use in Lubricants.

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in Lubricants.

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Consumers: 0: Use in Lubricants.

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : ECETOC TRA consumer V3

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment : Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Further details on scaling and control technologies are provided in SPERC factsheet.

Health : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented.
- Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.**Additional good practice advice beyond the REACH CSA**

Environment : Not available.

Health : Not available.

***[919-446-0] Use in Lubricants - Consumer: Low
Environmental Release***

Annex to the extended Safety Data Sheet (eSDS)

Consumer

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Lubricants - Consumer: High Environmental Release scenario

List of use descriptors : **Identified use name:** Use in Lubricants. Consumer: high Environmental Release Category
Sector of end use: SU21
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOV SpERC 8.6e.v1
Market sector by type of chemical product: PC01, PC21, PC31

Environmental contributing scenarios : Use in Lubricants.

Health Contributing scenarios : Use in Lubricants.

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in Lubricants.

Contributing scenario controlling consumer exposure for 1: Use in Lubricants.

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in Lubricants.

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Consumers: 0: Use in Lubricants.

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : ECETOC TRA consumer V3

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented.
- Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Health : Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. - Further details on scaling and control technologies are provided in SPERC factsheet.

Additional good practice advice beyond the REACH CSA

Environment : Not available.

Health : Not available.

***[919-446-0] Use in Lubricants - Consumer: High
Environmental Release***

Annex to the extended Safety Data Sheet (eSDS)

Consumer

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Agrochemical - Consumer

List of use descriptors : **Identified use name:** Use in agrochemicals - Consumer
Substance supplied to that use in form of: As such
Sector of end use: SU21
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOC SpERC 8.11b.v1
Market sector by type of chemical product: PC12, PC27

Environmental contributing scenarios : Use in agrochemicals

Health Contributing scenarios : Use in agrochemicals

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in agrochemicals

Contributing scenario controlling consumer exposure for 1: Use in agrochemicals
Conditions and measures related to personal protection and hygiene**Section 3 - Exposure estimation and reference to its source**

Website: : Not available.

Exposure estimation and reference to its source - Environment: 1: Use in agrochemicals

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Consumers: 0: Use in agrochemicals

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : ECETOC TRA consumer V3

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment : Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. - Further details on scaling and control technologies are provided in SPERC factsheet.

Health : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. - Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment : Not available.

Health : Not available.

[919-446-0] Use in Agrochemical - Consumer

Annex to the extended Safety Data Sheet (eSDS)

Consumer

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Cleaning Agent - Consumer

List of use descriptors : **Identified use name:** Use in cleaning agents - Consumer
Substance supplied to that use in form of: As such
Sector of end use: SU21
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOC SpERC 8.4c.v1
Market sector by type of chemical product: PC03, PC04, PC08, PC09a, PC09b, PC09c, PC24, PC35, PC38

Environmental contributing scenarios : **Use in cleaning agents**Health Contributing scenarios : **Use in cleaning agents****Section 2 - Exposure controls**

Contributing scenario controlling environmental exposure for 0: Use in cleaning agents

Contributing scenario controlling consumer exposure for 1: Use in cleaning agents
Conditions and measures related to personal protection and hygiene**Section 3 - Exposure estimation and reference to its source**

Website: : Not available.

Exposure estimation and reference to its source - Environment: 1: Use in cleaning agents

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)**Exposure estimation and reference to its source - Consumers: 0: Use in cleaning agents**

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : ECETOC TRA consumer V3**Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES**

Environment : Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. - Further details on scaling and control technologies are provided in SPERC factsheet.

Health : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. - Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA**Environment** : Not available.**Health** : Not available.***[919-446-0] Use in Cleaning Agent - Consumer***

Annex to the extended Safety Data Sheet (eSDS)

Consumer

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use as a Fuel - Consumer

List of use descriptors : **Identified use name:** Use in fuel - Consumer
Substance supplied to that use in form of: As such
Sector of end use: SU21
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC09a, ERC09b, ESVOC SpERC 9.12c.v1
Market sector by type of chemical product: PC13

Environmental contributing scenarios : Use in fuel

Health Contributing scenarios : Use in fuel

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in fuel

Contributing scenario controlling consumer exposure for 1: Use in fuel
Conditions and measures related to personal protection and hygiene**Section 3 - Exposure estimation and reference to its source**

Website: : Not available.

Exposure estimation and reference to its source - Environment: 1: Use in fuel

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)**Exposure estimation and reference to its source - Consumers: 0: Use in fuel**

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : ECETOC TRA consumer V3**Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES**

Environment : Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. - Further details on scaling and control technologies are provided in SPERC factsheet.

Health : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. - Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment : Not available.

Health : Not available.

[919-446-0] Use as a Fuel - Consumer

Annex to the extended Safety Data Sheet (eSDS)

Consumer

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use as Functional Fluids - Consumer

List of use descriptors : **Identified use name:** Use as functional fluids - Consumer
Substance supplied to that use in form of: As such
Sector of end use: SU21
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC09a, ERC09b, ESVOC SpERC 9.13c
Market sector by type of chemical product: PC16, PC17

Environmental contributing scenarios : Use as functional fluids

Health Contributing scenarios : Use as functional fluids

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use as functional fluids

Contributing scenario controlling consumer exposure for 1: Use as functional fluids

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not available.

Exposure estimation and reference to its source - Environment: 1: Use as functional fluids

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Consumers: 0: Use as functional fluids

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : ECETOC TRA consumer V3

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment : Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. - Further details on scaling and control technologies are provided in SPERC factsheet.

Health : Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. - Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment : Not available.

Health : Not available.

[919-446-0] Use as Functional Fluids - Consumer

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Cleaning Agents - Professional

List of use descriptors : **Identified use name:** Use in cleaning agents - Professional
Process Category: PROC02, PROC03, PROC04, PROC08a, PROC08b, PROC10, PROC11, PROC13
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOC SpERC 8.4b.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in cleaning agents

Health Contributing scenarios : Use in cleaning agents

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in cleaning agents

Contributing scenario controlling worker exposure for 0: Use in cleaning agents

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in cleaning agents

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in cleaning agents

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Available hazard data do not enable the derivation of a DNEL for dermal irritant effects. Risk management measures are based on qualitative risk characterisation. Available hazard data do not support the need for a DNEL to be established for other health effects. Users are advised to consider national Occupational Exposure Limits or other equivalent values. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Uses in Cleaning Agent - Industrial

List of use descriptors : **Identified use name:** Use in cleaning agents - Industrial
Process Category: PROC02, PROC03, PROC04, PROC07, PROC08a, PROC08b, PROC10, PROC13
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC04, ESVOC SpERC 4.4a.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Use in cleaning agents**

Health Contributing scenarios : **Use in cleaning agents**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in cleaning agents

Contributing scenario controlling worker exposure for 0: Use in cleaning agents

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in cleaning agents

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in cleaning agents

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Lubricant - Professional: Low environmental Release

List of use descriptors : **Identified use name:** Use in Lubricants.-Professional: low Environmental Release Category
Process Category: PROC01, PROC02, PROC03, PROC04, PROC08a, PROC08b, PROC09, PROC10, PROC11, PROC13, PROC17, PROC18, PROC20
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC09a, ERC09b, ESVOV SpERC 9.6b.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Use in Lubricants.**

Health Contributing scenarios : **Use in Lubricants.**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in Lubricants.

Contributing scenario controlling worker exposure for 0: Use in Lubricants.

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in Lubricants.

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in Lubricants.

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Lubricant - Professional: High environmental Release

List of use descriptors : **Identified use name:** Use in Lubricants.-Industrial: high Environmental Release Category
Process Category: PROC01, PROC02, PROC03, PROC04, PROC08a, PROC08b, PROC09, PROC10, PROC11, PROC13, PROC17, PROC18, PROC20
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOC SpERC 8.6c.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in Lubricants.

Health Contributing scenarios : Use in Lubricants.

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in Lubricants.

Contributing scenario controlling worker exposure for 0: Use in Lubricants.
Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in Lubricants.

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in Lubricants.

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Lubricants - Industrial

List of use descriptors : **Identified use name:** Use in Lubricants. - Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC07, PROC08a, PROC08b, PROC09, PROC10, PROC13, PROC17, PROC18
Substance supplied to that use in form of: As such
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC04, ERC07, ESVOC SpERC 4.6a.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in Lubricants.

Health Contributing scenarios : Use in Lubricants.

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in Lubricants.

Contributing scenario controlling worker exposure for 0: Use in Lubricants.
Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in Lubricants.

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in Lubricants.

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Metal Working Fluids/Rolling Oilst - Industrial

List of use descriptors : **Identified use name:** Use in Use in metal working fluids/rolling oils - Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC05, PROC07, PROC08a, PROC08b, PROC09, PROC10, PROC13, PROC17
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC04, ESVOC SpERC 4.7a.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in metal working fluids/rolling oils

Health Contributing scenarios : Use in metal working fluids/rolling oils

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in metal working fluids/rolling oils

Contributing scenario controlling worker exposure for 0: Use in metal working fluids/rolling oils
Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Exposure estimation and reference to its source - Environment: 1: Use in metal working fluids/rolling oils

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in metal working fluids/rolling oils

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Metal Working Fluids/Rolling Oilst - Professional

List of use descriptors : **Identified use name:** Use in Use in metal working fluids/rolling oils - Professional
Process Category: PROC01, PROC02, PROC03, PROC08b, PROC09, PROC10, PROC11, PROC13, PROC17
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC09a, ESVOC SpERC 8.7c.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in metal working fluids/rolling oils

Health Contributing scenarios : Use in metal working fluids/rolling oils

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in metal working fluids/rolling oils

Contributing scenario controlling worker exposure for 0: Use in metal working fluids/rolling oils

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Exposure estimation and reference to its source - Environment: 1: Use in metal working fluids/rolling oils

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in metal working fluids/rolling oils

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Agrochemicals - Professional

List of use descriptors : **Identified use name:** Use in agrochemicals - Professional
Process Category: PROC01, PROC02, PROC04, PROC08a, PROC08b, PROC11, PROC13
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOC SpERC 8.11a.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in agrochemicals

Health Contributing scenarios : Use in agrochemicals

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in agrochemicals

Contributing scenario controlling worker exposure for 0: Use in agrochemicals

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in agrochemicals

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in agrochemicals

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use as a Fuel - Industrial

List of use descriptors : **Identified use name:** Use in fuel - Industrial
Process Category: PROC01, PROC02, PROC03, PROC08a, PROC08b, PROC16
Substance supplied to that use in form of: As such
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC07, ESVOC SpERC 7.12a.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in fuel

Health Contributing scenarios : Use in fuel

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in fuel

Contributing scenario controlling worker exposure for 0: Use in fuel

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in fuel

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in fuel

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)

Identification of the substance or mixture

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use as a Fuel - Professional

List of use descriptors : **Identified use name:** Use in fuel - Professional
Process Category: PROC01, PROC02, PROC03, PROC08a, PROC08b, PROC16
Substance supplied to that use in form of: As such
Sector of end use: SU03, SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC09a, ERC09b, ESVOC SpERC 9.12b.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in fuel

Health Contributing scenarios : Use in fuel

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in fuel

Contributing scenario controlling worker exposure for 0: Use in fuel

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in fuel

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in fuel

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use as Functional Fluids - Industrial

List of use descriptors : **Identified use name:** Use as functional fluids - Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC08a, PROC08b, PROC09
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC07, ESVOC SpERC 7.13a.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use as functional fluids

Health Contributing scenarios : Use as functional fluids

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use as functional fluids

Contributing scenario controlling worker exposure for 0: Use as functional fluids

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use as functional fluids

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use as functional fluids

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Distribution of the Substance - Industrial

List of use descriptors : **Identified use name:** Distribution of substance - Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC08a, PROC08b, PROC09, PROC15
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC01, ERC02, ESVOC SpERC 1.1b.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Distribution of substance**

Health Contributing scenarios : **Distribution of substance**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Distribution of substance

Contributing scenario controlling worker exposure for 0: Distribution of substance

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Distribution of substance

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Distribution of substance

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Manufacture of Substance - Industrial

List of use descriptors : **Identified use name:** Manufacture of substance -Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC08a, PROC08b, PROC15
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC01, ERC04, ESVOC SpERC 1.1.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Manufacture of substance**

Health Contributing scenarios : **Manufacture of substance**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Manufacture of substance

Contributing scenario controlling worker exposure for 0: Manufacture of substance

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Further information on the assumptions contained in this exposure scenario can be found at
<http://www.esig.org/>

Exposure estimation and reference to its source - Environment: 1: Manufacture of substance

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Manufacture of substance

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet. Scaled local assessments for EU refineries have been performed using site-specific data and are attached in PETRORISK file - "Site-Specific Production" worksheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Formulation and (re)packing of substances and mixtures - Industrial

List of use descriptors : **Identified use name:** Formulation and (re)packing of substances and mixtures - Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC05, PROC08a, PROC08b, PROC09, PROC14, PROC15
Sector of end use: SU03, SU10
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC02, ESVOC SpERC 2.2.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Formulation and (re)packing of substances and mixtures**

Health Contributing scenarios : **Formulation and (re)packing of substances and mixtures**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Formulation and (re)packing of substances and mixtures

Contributing scenario controlling worker exposure for 0: Formulation and (re)packing of substances and mixtures

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Formulation and (re)packing of substances and mixtures

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Formulation and (re)packing of substances and mixtures

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Uso como combustible - Industrial

List of use descriptors : **Identified use name:** Manufacture of substance -Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC08a, PROC08b, PROC15
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC01, ERC04, ESVOC SpERC 1.1.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in fuel

Health Contributing scenarios : Use in fuel

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in fuel

Contributing scenario controlling worker exposure for 0: Use in fuel

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Further information on the assumptions contained in this exposure scenario can be found at
<http://www.esig.org/>

Exposure estimation and reference to its source - Environment: 1: Use in fuel

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in fuel

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet. Scaled local assessments for EU refineries have been performed using site-specific data and are attached in PETRORISK file - "Site-Specific Production" worksheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Uses in Coatings - Industrial

List of use descriptors : **Identified use name:** Use in coatings - Industrial
Process Category: PROC01, PROC02, PROC03, PROC04, PROC05, PROC07, PROC08a, PROC08b, PROC09, PROC10, PROC13, PROC15
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC04, ESVOC SpERC 4.3a.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in coatings

Health Contributing scenarios : Use in coatings

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in coatings

Contributing scenario controlling worker exposure for 0: Use in coatings

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in coatings

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in coatings

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use as Functional Fluids - Professional

List of use descriptors : **Identified use name:** Use as functional fluids - Professional
Process Category: PROC01, PROC02, PROC03, PROC08a, PROC09, PROC20
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC09a, ERC09b, ESVOC SpERC 9.13b
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use as functional fluids

Health Contributing scenarios : Use as functional fluids

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use as functional fluids

Contributing scenario controlling worker exposure for 0: Use as functional fluids
Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use as functional fluids

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use as functional fluids

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Laboratories - Professional

List of use descriptors : **Identified use name:** Use in laboratories - Professional
Process Category: PROC10, PROC15
Substance supplied to that use in form of: As such
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, SVOC SpERC 8.17
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Use in laboratories**

Health Contributing scenarios : **Use in laboratories**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in laboratories

Contributing scenario controlling worker exposure for 0: Use in laboratories

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in laboratories

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in laboratories

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Road and Construction Applications - Professional

List of use descriptors : **Identified use name:** Uses Use in road and construction products - Professional
Process Category: PROC08a, PROC08b, PROC10, PROC11, PROC13
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08d, ERC08f, ESVOC SpERC 8.15.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : Use in road and construction products

Health Contributing scenarios : Use in road and construction products

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in road and construction products

Contributing scenario controlling worker exposure for 0: Use in road and construction products
Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in road and construction products

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in road and construction products

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Use in Laboratories - Industrial

List of use descriptors : **Identified use name:** Use in laboratories - Industrial
Process Category: PROC10, PROC15
Sector of end use: SU03
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC02, ERC04
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Use in laboratories**

Health Contributing scenarios : **Use in laboratories**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in laboratories

Contributing scenario controlling worker exposure for 0: Use in laboratories
Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in laboratories

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in laboratories

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.

Annex to the extended Safety Data Sheet (eSDS)**Identification of the substance or mixture**

Product name : WHITE SPIRIT

Section 1 - Title

Short title of the exposure scenario : [919-446-0] Uses in Coatings - Professional

List of use descriptors : **Identified use name:** Use in coatings-Professional
Process Category: PROC01, PROC02, PROC03, PROC04, PROC05, PROC08a, PROC08b, PROC10, PROC11, PROC13, PROC15, PROC19
Sector of end use: SU22
Subsequent service life relevant for that use: No.
Environmental Release Category: ERC08a, ERC08d, ESVOC SpERC 8.3b.v1
Market sector by type of chemical product: Not applicable.
Article category related to subsequent service life: Not applicable.

Environmental contributing scenarios : **Use in coatings**

Health Contributing scenarios : **Use in coatings**

Section 2 - Exposure controls

Contributing scenario controlling environmental exposure for 0: Use in coatings

Contributing scenario controlling worker exposure for 0: Use in coatings

Conditions and measures related to personal protection and hygiene

Section 3 - Exposure estimation and reference to its source

Website: : Not applicable.

Exposure estimation and reference to its source - Environment: 1: Use in coatings

Exposure assessment (environment): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : Hydrocarbon Block Method (Petrorisk)

Exposure estimation and reference to its source - Workers: 0: Use in coatings

Exposure assessment (human): : Not available.

EXPOSURE ESTIMATION AND REFERENCE TO ITS SOURCE : The ECETOC TRA tool has been used to estimate workplace exposures unless otherwise indicated.

Section 4 - GUIDANCE TO DU TO EVALUATE WHETHER HE WORKS INSIDE THE BOUNDARIES SET BY THE ES

Environment	: Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures. Required removal efficiency for wastewater can be achieved using onsite/offsite technologies, either alone or in combination. Required removal efficiency for air can be achieved using on-site technologies, either alone or in combination. Further details on scaling and control technologies are provided in SPERC factsheet.
Health	: Predicted exposures are not expected to exceed the DN(M)EL when the risk management measures/operational conditions outlined in section 2 are implemented. Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

Additional good practice advice beyond the REACH CSA

Environment	: Not available.
Health	: Not available.