

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

Printing date 27.09.2018

Version number 2

Revision: 27.09.2018

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Trade name:** GUM TURPENTINE

**EC number:**

932-349-8

**Registration number:** 01-2119553060-53-0006

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Manufacture of the substance

Formulations of mixture

Distribution

Compounding of fragranced products

Formulation of fragranced products

Formulation of Coatings and Inks

Formulation of solvents

Formulation of adhesives and sealants

Uses at industrial sites

Use of fragranced products

Use of Coatings and Inks

Ancillary activities in application of Coatings (chemical strippers)

Use of solvents

Use of Adhesives and Sealants

Uses by professional workers

Use of fragranced products

Use of Coatings and Inks

Ancillary activities in application of Coatings ( chemical strippers)

Use of solvents

Use of adhesives and sealants

Consumer uses

Use of fragranced products

Use of Coatings and Inks

Ancillary activities in application of Coatings (chemical strippers)

Use of solvents

Use of Adhesives and sealants

**Sector of Use**

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

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

SU21 Consumer uses: Private households / general public / consumers

**Product category**

PC1 Adhesives, sealants

PC3 Air care products

PC8 Biocidal products

PC9a Coatings and paints, thinners, paint removers

PC9b Fillers, putties, plasters, modelling clay

PC9c Finger paints

PC13 Fuels

PC18 Ink and toners

PC15 Non-metal-surface treatment products

PC28 Perfumes, fragrances

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- PC31 Polishes and wax blends
- PC34 Textile dyes, and impregnating products
- PC35 Washing and cleaning products (including solvent based products)
- PC39 Cosmetics, personal care 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
- PROC13 Treatment of articles by dipping and pouring
- PROC14 Tableting, compression, extrusion, pelletisation, granulation
- PROC15 Use as laboratory reagent
- PROC19 Manual activities involving hand contact
- PROC21 Low energy manipulation and handling of substances bound in/on materials or articles
- PROC24 High (mechanical) energy work-up of substances bound in /on materials and/or articles

**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)
- ERC5 Use at industrial site leading to inclusion into/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)
- ERC8c Widespread use leading to inclusion into/onto article (indoor)
- ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
- ERC8f Widespread use leading to inclusion into/onto article (outdoor)
- ERC9a Widespread use of functional fluid (indoor)
- ERC9b Widespread use of functional fluid (outdoor)

**Application of the substance / the mixture:** Raw Material**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:****PANSIL KORNILAKIS AVEE**

THESI SKLIRI

MAGOULA 19018

email: info@pansil.gr

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**Trade name:** GUM TURPENTINE**1.4 Emergency telephone number:**

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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

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

Acute Tox. 4      H302 Harmful if swallowed.  
 Acute Tox. 4      H312 Harmful in contact with skin.  
 Acute Tox. 4      H332 Harmful if inhaled.  
 Skin Irrit. 2      H315 Causes skin irritation.  
 Eye Irrit. 2      H319 Causes serious eye irritation.  
 Skin Sens. 1      H317 May cause an allergic skin reaction.

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

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

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**Hazard pictograms:**

GHS02 GHS07 GHS08 GHS09

**Signal word:** Danger**Hazard statements:**

- H226 Flammable liquid and vapour.  
 H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H304 May be fatal if swallowed and enters airways.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

- P260 Do not breathe 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.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**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**

Turpentine, oil 100%

UVCB substance

**Identification number(s)****EC number:** 932-349-8**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.

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**After inhalation:**

Supply fresh air and to be sure call for a doctor.  
 Seek medical treatment in case of complaints.  
 In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately rinse with water for at least 15 minutes.  
 Get medical attention if irritation or skin rash occurs.  
 Wash contaminated clothing before use.  
 Wash clothing before reuse. Clean shoes thoroughly before reuse.

**After eye contact:**

Rinse opened eye for at least 15 minutes under running water.  
 Remove contact lenses if they are present.  
 Hold eyelids apart and flush eyes with plenty of cool low-pressure water for at least 10 minutes.  
 Seek immediate medical advice.

**After swallowing:**

Do not induce vomiting; call for medical help immediately.  
 Drink water to dilute the substance.

**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

Foam  
 CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
 Fire-extinguishing powder

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**5.2 Special hazards arising from the substance or mixture**

Flammable liquid  
 In case of fire, the following can be released:  
 Carbon monoxide (CO)  
 Carbon dioxide (CO<sub>2</sub>)  
 acrid fumes

**5.3 Advice for firefighters**

**Protective equipment:** Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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

Wear protective equipment. Keep unprotected persons away.  
 Ensure adequate ventilation.  
 Keep away from ignition sources.

**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.  
 Inform respective authorities in case of seepage into water course or sewage system.

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**6.3 Methods and material for containment and cleaning up:**

Use non-sparking tools.

- Small spills : Absorb spilled liquid with inert absorbent. Collect and seal in an appropriate container properly labelled for disposal.

- Large spills : Stop spill if it can be done without danger. Dike. Pump as much liquid as possible with an explosion-proof pump or a hand pump. Absorb the remaining liquid with inert absorbent. Collect and seal in an appropriate container properly labelled for disposal. Use only non-sparking tools.

**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**

Ensure good ventilation/exhaustion at the workplace.

Put on appropriate personal protective equipment (see section 8).

**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Keep away from heat, sparks, open flames and hot surfaces.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Prevent any seepage into the ground.

Provide ventilation for receptacles.

Recommended and Unsuitable Materials for Storage :

Stainless steel, aluminium

Certain plastics and elastomers may not be compatible with the product. Test or get manufacturers recommendation prior to use.

**Information about storage in one common storage facility:**

Store away from organic peroxides and oxidising agents.

**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

**7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****Additional information about design of technical facilities:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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Provide local exhaust or general room ventilation to minimize exposure to vapours.

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**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****Turpentine, oil**

WEL	Short-term value: 850 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 566 mg/m <sup>3</sup> , 100 ppm

**DNELs**Workers-Long Term systemic effects via inhalation: 5.98 mg/m<sup>3</sup>Workers-Acute-local effects via inhalation: 161 µg/cm<sup>2</sup>General population-Acute-local effects via dermal route: 81 µg/cm<sup>2</sup>General population-Long-term-systemic effects via inhalation: 1.06 mg/m<sup>3</sup>

General population-Long-term-systemic effects via oral route: 0.31 mg/kg bw/day

**PNECs**

PNEC aqua (freshwater): 8.8 µg/L

PNEC aqua (marine water): 0.88 µg/L

PNEC sediment (freshwater): 2.27 mg/kg sediment dw

PNEC sediment (marine water): 0.227 mg/kg sediment dw

PNEC STP: 6.6 mg/L

PNEC soil: 0.45 mg/kg soil dw

**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves resistant to chemicals (standard EN 374-1).

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

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**Material of gloves**

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.

**Penetration time of glove material**

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:**

Wear safety glasses according to ISO EN 166



Face protection

**Body protection:**

Protective work clothing

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

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined

**pH value:** Not determined

**Melting point/freezing point:** ca.-55 °C

**Initial boiling point and boiling range:** 154-170 °C

**Flash point:** 35 - -36 °C

**Flammability (solid, gas):** Not applicable

**Auto-ignition temperature:** 220 °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:**

<b>Lower:</b>	0.8 Vol %
<b>Upper:</b>	6 Vol %

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**Vapour pressure at 20 °C:** 5.35 hPa**Density at 20 °C:** 0.86-0.87 g/cm<sup>3</sup>**Relative density** Not determined**Vapour density** Not determined**Evaporation rate** Not determined**Solubility in / Miscibility with water at 20 °C:** 0.580 g/l**Partition coefficient: n-octanol/water:** Not determined**Viscosity:****Dynamic:** Not determined**Kinematic:** Not determined**9.2 Other information** No further relevant information available.**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided** 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** Strong oxidising agents, strong acids**10.6 Hazardous decomposition products** No dangerous decomposition products known.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Harmful if swallowed, in contact with skin or if inhaled.

**LD/LC50 values relevant for classification:**

Oral	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	13.7 mg/l (rat)

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**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** Based on available data, the classification criteria are not met.

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**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard**

May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** Toxic for fish**Additional ecological information:****General notes:** The material is 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.

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

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

ADR, IMDG, IATA

UN1299

**14.2 UN proper shipping name**

ADR

IMDG

IATA

1299 TURPENTINE, ENVIRONMENTALLY HAZARDOUS  
TURPENTINE, MARINE POLLUTANT  
TURPENTINE

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**Trade name:** GUM TURPENTINE**14.3 Transport hazard class(es)**

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**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:**

Environmentally hazardous substance, liquid; Marine Pollutant

Yes

Yes (P)

Symbol (fish and tree)

Symbol (fish and tree)

Warning: Flammable liquids.

**Special marking (ADR):**

30

**14.6 Special precautions for user****Danger code (Kemler):****EMS Number:**

F-E,S-E

**14.7 Transport in bulk according to Annex II of****Marpol and the IBC Code**

Not applicable.

**Transport/Additional information:****ADR****Excepted quantities (EQ):** E1**Limited quantities (LQ)** 5L**Transport category** 3**Tunnel restriction code** D/E**UN "Model Regulation":** UN1299, TURPENTINE, ENVIRONMENTALLY HAZARDOUS, 3, III**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

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

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

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**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, 40**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.

**Department issuing SDS:**

SUSTCHEM Engineering SA  
 REACH & Chemical Services Department  
 144, 3rd Septemvriou, GR 112 51, Athens, Greece  
 Tel.: +30 210 8252510 Fax: +30 210 8252575  
 E-mail: info@suschem.gr  
 Website: www.sustchem.gr

**Contact:**

Megara Resins  
 Anastassios Fanis SA  
 38th Km NEOAK, 191 00  
 Megara, Greece  
 Tel: +30 22960 83311  
 Fax: +30 22960 83335  
 e-mail : info@megararesins.com

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
 ICAO: International Civil Aviation Organisation  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
 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  
 P: Marine Pollutant  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent

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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

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – 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.**

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