



# Technical data sheet

Trade name : Gum Turpentine oil  
Revision : 12/09/2018  
Printing date : 12/09/2018

## Composition

Gum turpentine oil, consisting of the volatile fraction resulting from the distillation of oleoresin collected by tapping softwoods from pinacea derivatives (Genus: pinus, Specie: Pinus Pinaster). It consists of terpenes, mainly monoterpenes such as alpha-pinene and beta-pinene.

Chemical name	CAS number	EC/List number	Index number	REACH registration no.	Content
Gum Turpentine Oil	8006-64-2	932-349-8	650-002-00-6	01-2119553060-53-0024	100%

## Physical and chemical properties

Appearance : Transparent, colorless liquid  
Odour : Characteristic, citrus  
Odour threshold : No data available.  
pH : No data available.  
Melting point : ca. - 60 °C  
Boiling point : 154 - 170°C  
Flashpoint : 34 °C  
Evaporation rate : -  
Flammability : Flammable  
Upper / lower flammability or explosive limits : Undetermined.  
Vapor pressure : 519 Pa (20°C)  
Vapor Density : -  
Relative density : 0,86 g/cm<sup>3</sup> (20°C)  
Solubility(ies) : In water: : 25.5 mg/L a 20°C(insoluble)  
In others: Soluble in alcohol and ether.  
Partition coefficient: n-octanol/water : 4.49 (alpha pinene)  
Auto-ignition temperature : 255 °C  
Decomposition temperature : -  
Viscosity : 1.3 mPa · s (dynamic) (25°C)  
Explosive properties : Gum turpentine oil constituents indicates that there are no chemical groups associated with explosive properties.  
Oxidising properties : Constituents of gum turpentine oil do not contain any functional group associated with oxidizing properties.



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## **Identified uses**

Raw material for the manufacture of fragrances, medicine. Solvent, manufacture of wood varnishes and protectors. Disinfectant.

## **CLP classification**

Rosin is classified according to CLP Regulation (EC 1272/2008) with the following hazards:

Flammable liquid, category 3 (H226: Flammable liquid and vapour)  
Acute Toxicity - oral, category 4 (H302: Harmful if swallowed.)  
Acute Toxicity - skin, category 4 (skin) (H312: Harmful in contact with skin.)  
Acute Toxicity - inhal., category 4 (inhal.) (H332: Harmful if inhaled.)  
Skin Irritation, category 2 (H315: Causes skin irritation.)  
Eye Irritation, category 2 (H319: Causes serious eye irritation.)  
Skin Sensitisation, category 1B (H317: May cause an allergic skin reaction.)  
Aspiration hazard, category 1 (H304: May be fatal if swallowed and enters airways. )  
Aquatic Chronic, category 2 (H411: Toxic to aquatic life with long lasting effects.)

## **Storage**

Store in a cool well-ventilated place. Keep container tightly closed. All equipments including ventilation systems must be equipotential and earthed. Keep away from sources of ignition. Protect from heat and direct sunlight.

Recommended and Unsuitable Materials for Storage :

- Stainless steel, aluminium
- Certain plastics and elastomers may not be compatible with the product.