



sunnyside

SAFETY DATA SHEET

Product Number: 870

Effective Date: August 13, 2020

MATERIAL SAFETY DATA SHEET TURPENTINE OIL

1 Identification of the substance/preparation and of the company/undertaking

- **Product Identifier:**
- **Trade name:** RECT. TURPENTINE/DD TURPENTINE/L-TURPENTINE
- **Application of the substance / the preparation:** Laboratory chemical
- **Manufacturer/Supplier:**

Sunnyside Corporation
225 Carpenter Ave.
Wheeling, IL 60090
P: 800-323-8611
email: sscontact@sunnysidecorp.com
www.sunnysidecorp.com

- **Further information obtainable from:** Department Health, Safety and Environment
- **Information in case of emergency:** ChemTrec 800-424-9300

2 Hazards identification

- **Classification according to European Directives**



Xi - Irritant



Xi Irritant N: Dangerous for marine environment

2.1 Classification of the substance or mixture:

- According to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

- Flammable liquids (Category 3)
- Acute toxicity, Inhalation (Category 4)
- Acute toxicity, Dermal (Category 4)
- Acute toxicity, Oral (Category 4)
- Aspiration hazard (Category 1)
- Eye irritation (Category 2)
- Skin irritation (Category 2)
- Skin sensitization (Category 1)
- Chronic aquatic toxicity (Category 2)

- According to EU Directives 67/548/EEC or 1999/45/EC

Flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: may cause lung damage if swallowed. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- GHS label elements



Danger

- Hazard Statements :

- H226** Flammable liquid and vapour.
- H302** Harmful if swallowed
- H304** Maybe fatal if swallowed and enters airways.
- H312** Harmful in contact with skin
- H315** Causes skin irritation.
- H317** May cause an allergic skin reaction.
- H319** Causes serious eye irritation
- H332** Harmful if inhaled
- H410** Very toxic to aquatic life with long lasting effects.

- Precautionary Statements :

- P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P264 :Wash skin thoroughly after handling.
- P280 :Wear protective gloves/ eye protection/ face protection.
- P273 : Avoid release to environment.
- P301+310 : IF SWALLOWED: Immediately call a POISON CENTER or physician.
- P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P331 : Do NOT induce vomiting.

-Storage:

- P403 + P235** :Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

· Additional information:

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

3 Composition/information on ingredients:

· **Chemical characterization:** Mixture of Limonene and monocycle terpenes.

· CAS No. Description

8006-64-2 Turpentine/Oil of Turpentine

Component	CAS #	Weight %
Terpenes & (+)-p-Mentha-1,8-diene	5989-27-5	1-50%%
α -Pinene	80-56-8	50%-80%

· Identification number(s)

· **EC Number:** 232-350-7

4 First-aid measures**· General information:**

Immediately remove any clothing soiled by the product and wash before reuse.

· **After inhalation:** Supply fresh air. **Serious Inhalation** - Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

· After skin contact:

- Immediately rinse with water and soap.
- Cover the irritated skin with an emollient.
- If skin irritation continues, consult a doctor.

· **After eye contact:** Rinse opened eye for 10 minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband and show the container or label.

5 Fire-fighting measures

· **Flammability of the Product:** Flammable.

· **Auto-Ignition Temperature:** 253°C (487.4°F)

- **Flash Points: CLOSED CUP:** 35°C (95°F). (TAG)
- **Flammable Limits:** LOWER: 0.8%
- **Products of Combustion:** These products are carbon oxides (CO, CO₂).
- **Fire Hazards in Presence of Various Substances:** Flammable in presence of oxidizing materials.
- **Suitable extinguishing agents:** Carbon Di-oxide, Dry Chemical, Foam.
- **Fire Fighting Media and Instructions:**
 - Flammable liquid, insoluble in water.
 - SMALL FIRE: Use DRY chemical powder.
 - LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto ignition or explosion.
- **For safety reasons, unsuitable extinguishing agents:** Do not use water jet.
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information:** Prevent fire-fighting water from entering surface water or groundwater.

6 Accidental release measures

- **Person-related safety precautions:**
 - Ensure adequate ventilation
 - Do not breathe vapor/spray.
 - Avoid contact with the eyes and skin.
 - Wear protective clothing.
- **Measures for environmental protection:**
 - Do not allow to penetrate the ground/soil.
 - Do not allow to enter sewers/ surface or ground water.
 - Keep contaminated washing water and dispose of appropriately.
- **Measures for cleaning/collecting:**
 - Small Spill:** Absorb with an inert material/ liquid-binding material (e.g. Rotisorb® Art.-Nr. 1710.1). and put the spilled material in an appropriate waste disposal.
 - Large Spill:** Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.
- **Additional Information:**
 - Dispose of the material collected as per local laws and regulations.
 - Ensure adequate ventilation.

7 Handling and storage

- **Precautions for safe handling:**

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

· **Conditions for safe storage:**

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

· **Requirements to be met by storerooms and receptacles:** Store in the original receptacles.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

8 Exposure controls/personal protection

· **Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below the irrespective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

· **Ingredients with limit values that require monitoring at the workplace:** Not required.

· **Additional information:** The lists valid during the making were used as basis.

· **General protective and hygienic measures:**

- Do not eat, drink or sniff while working.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with eyes and skin.

· **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.
- Use suitable respiratory protective device only when aerosol or mist is formed.
- Required when vapors/aerosols are generated.

· **Personal protective equipment:**

-**Protection of hands:**



Protective gloves

· **Material of gloves**

- Nitrile, thickness: 0,4 mm Butyl Rubber, thickness: 0.5 mm
- 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 exact break through time has to be found out by the manufacturer of the protective

gloves and has to be observed.

·Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing.

9 Physical and chemical properties

· General Information

Boiling Point 760 mmHg.	: 158-165° C
Vapour Pressure (mmHg.) 30 °C	: <1 °
Vapour Density (Air = 1)	: 4.68
Solubility in water	: Practically Insoluble
Appearance & Odor	: Colorless to pale yellow, piney
Odour Threshold	: N.A.
Partition Coefficient: n-octanol/water	: N.A.
Freezing Point hPa	: < 20°C (< -4 °F) at 1013
Flammability (Liquid)	: Yes
Flammability/Explosion Limit, Upper	: N.A.
Flammability/Explosion Limit, Lower	: N.A.
Auto Ignition Temperature	: N.A.
Decomposition Temperature	: N.A.
pH	: N.A.
Viscosity	: Non Viscous
Specific Gravity (Water = 1)	: 0.8560 – 0.8690 @ 20° C
Percent Volatiles by volume	: 100%
Flash Point	: 35° C (CC method)
Evaporation rate (Butyl Acetate = 1)	: N.A.
Melting Point	: N.A.

Physical State

: Liquid

10 Stability and reactivity

- **Chemical stability:** Stable under recommended storage conditions.
- **Conditions and materials to avoid:** Heat, flames, sparks and Strong oxidizing agents.
- **Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - Carbon oxide.
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- **Special Remarks on Reactivity:** Do not combine with Stannic Chloride, Chromyl Chloride, Acetone, and Chlorine.

11 Toxicological information

- **Acute toxicity:**
 - **LD/LC50 values relevant for classification:**
 - Oral LD50 5760 mg/kg (Rats)
 - Acute toxicity of the vapor (LC50): 29000 1 hours [Mouse]
 - **Primary irritant effect:**
 - **On the skin:** Slight irritations.
 - **On the eye:** Irritating effect.
 - **After inhalation:** Slight irritations.
 - **Sensitization:** Possible through skin contact.
 - **Ingestion:** May be harmful if swallowed.
- **Further information:** The product should be handled with the care usual when dealing with chemicals.

12 Ecological information

- **Ecotoxic effects:** Toxic to aquatic life with long-term adverse effects.
- **Aquatic toxicity:** No quantitative data available.
- **Remark:**
 - Do not allow to enter waters, waste water, or soil.
 - Do not contaminate ponds, waterways or ditches with chemical or used container.
 - If recycling is not practicable, dispose of in compliance with local regulations.
- **Additional ecological information:** Marine Pollutant.

13 Disposal considerations

- **Product:** Turpentine
- **Recommendation**

- The disposal is regionally differently regulated; therefore the kind of disposal is to be inquired at the responsible authorities.
- This material and its container must be disposed of as hazardous waste.
- **Un-cleaned packaging:** Dispose of as unused product.
- **Recommendation:** Disposal according to official regulations.

14 Transport information

· Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1299
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** TURPENTINE

· Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1299
- **Label:** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** Yes (P)
- **Proper shipping name:** TURPENTINE

Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1299
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** TURPENTINE
- **UN "Model Regulation":** UN 1299, TURPENTINE, 3, III

15 Regulatory information

- This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA): TSCA Section 12(b) Export Notification (40 CFR 707,

Subpt. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

SARA 304 Emergency release notification: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not listed.

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous Chemical: Yes

Classified hazard categories:

Flammable (gases, aerosols, liquids, or solids)

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Aspiration hazard

Hazard not otherwise classified (HNOC)

SARA 313 (TRI reporting): Not regulated.

HMIS® ratings:

Health: 2*, Flammability: 3, Physical hazard: 0

National regulations:

Information about limitation of use:

-Employment restrictions concerning juveniles must be observed.

-In dealing with chemicals the national laws must be observed

Water hazard class: Water hazard class 1 (Self-assessment): hazardous for water.

16 Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Swati Menthol & Allied Chemicals Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Text of Relevant R-phrases

- Skin/eye irritation

- Skin sensitization

- Dangerous for the environment

- Flammable Liquid & Vapor

- Harmful: may cause lung damage if swallowed.

- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

-Department issuing MSDS: Department: Health, Safety and Environment

- Contact Person: T.L Arora

- Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
P: Marine Pollutant
GHS: Globally Harmonized 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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent.

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