

Safety Data Sheet

SOLTERP 25



AEROCHEM

1. Identification

Product identifier	SOLTERP 25
Product code	SACSOL2530ML
Other means of identification	SOLTERP 25, imbibed cloth format. This SDS sheet is not for the product in liquid format.
Recommended use of the chemical and restrictions on use	Towel all-purpose designed to remove any oil, grease, dust and other impurities from electrical cables surfaces.
Manufacturer	AEROCHEM Inc. 5977 Trans Canada Highway Pointe-Claire, QC H9R 1C1 Canada General Information: 1-888-592-5837 www.aerochem.ca info@aerochem.ca
Emergency phone number	INFOTRAC®: 1-800-535-5053 International call collect: 1-352-323-3500 24 hours/day, 7 days/week

2. Hazard identification

Summary	Cloth containing flammable liquid. Keep away from heat, sparks and open flame. Avoid contact with skin, eyes and clothing. Do not breathe vapors. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. If medical advice is needed, have this SDS or label at hand.
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WHMIS 2015/GHS/OSHA HCS 2012



Flammable liquids (Category 3)
Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 2)
Skin sensitizer (Category 1)

WARNING

H226: Flammable liquid and vapour
H319: Causes serious eye irritation
H315: Causes skin irritation
H317: May cause an allergic skin reaction
P210: Keep away from heat, sparks, open flames and other ignition sources. No smoking.
P242: Use only non-sparking tools.
P261: Avoid breathing vapours.
P264: Wash skin thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves.
P302+352: IF ON SKIN: Wash with plenty of water and soap.
P333+313: If skin irritation or a rash occurs: Get medical advice or attention.
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice or attention.
P362+364: Take off contaminated clothing and wash before reuse.

P370+378: In case of fire: Use suitable extinguishing medium to extinguish.

P403+235: Store in a well ventilated place. Keep cool.

P501: Dispose of contents to an approved waste disposal plant.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Naphtha (petroleum), hydrotreated heavy (C6-C13)	64742-48-9	65 - 85 %
Hydrocarbons, terpene processing by-products	68956-56-9	10 - 30 %

Note: The material of the cloth is not considered a hazardous ingredient. The cloth was not included in the wt. % of liquid components. The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

4. First-aid measures

Inhalation	Move person to fresh air. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with plenty of water. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a Poison Centre immediately.
Other	No information available.
Symptoms	May cause redness and irritation to eyes. May cause dry skin and irritation. May cause an allergic reaction of the skin. Inhalation of high vapour concentrations may cause central nervous system depression characterized by headache, dizziness, vertigo, nausea, drowsiness and fatigue.
Notes to the physician	Treat according to person's condition and specifics of exposure.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemicals, water spray, chemical foam, carbon dioxide (CO ₂). Do not use a heavy water jet.
Specific hazards arising from the chemical	Cloth containing flammable liquid. May be ignited by heat, sparks, flame or static electricity. Rags and others materials soaked with oil or solvent may overheat and spontaneously ignite if piled in a heap.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	Use water spray to cool fire-exposed containers. Water spray can reduce the intensity of the flames. However, the water jets can spread the fire. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent product from entering drains and release to the environment.
Methods and materials for containment and cleaning up	Pick up mechanically and reuse as long as it is not contaminated. Finish cleaning the contaminated surface by rinsing with soapy water.

7. Handling and storage

Precautions for safe handling	Keep away from heat, sparks and open flame. Avoid all sources of ignition. Use only in well ventilated area. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound and before eating, drinking or using toiletries. Remove contaminated clothing and wash before reuse. Rags and other materials soaked with flammables solvents may spontaneously catch fire if improperly store or discarded. Then in order to prevent spontaneous combustion, DO NOT discards rags in a pile.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Put contaminated rags in water and lay flat to completely dry in a well-ventilated area before storage. Store away from oxidizing materials and incompatible materials (see section 10). Keep away from direct sunlight and heat.
Storage temperature	0 to 50 °C (32 to 122 °F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.
Naphtha (petroleum), hydrotreated heavy (C6-C13)	TWA (8h) Mist 5 mg/m ³ 300 ppm ACGIH , RSST OSHA
Appropriate engineering controls	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.
Individual protection measures	
Eye	Wear safety glasses with side shields. If there is a risk of contact with eyes, wear chemical splash goggles.
Hands	Wear nitrile or neoprene gloves. Disposable nitrile gloves can also be used, but discard after single use. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear synthetic or a neoprene apron, if necessary, to prevent repeated or prolonged contact with skin.
Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection

equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA.

Feet No personal protection measure required.



Safety glasses Nitrile disposable gloves

9. Physical and chemical properties

Physical state	Towel soaked with liquid	Flammability	Flammable
Colour	Tan	Flammability limits	1.1 to 6.1%
Odour	Citrus	Flash point	58°C (136.4°F) ASTM D56
Odour threshold	N/Av.	Auto-ignition temperature	N/Av.
pH	N/Ap.	Sensibility to electrostatic charges	Yes
Melting point	N/Av.	Sensibility to sparks and/or friction	No
Freezing point	N/Av.	Vapour density	5.65 (Air = 1)
Boiling point	150 to 170°C (302 to 338°F)	Relative density	0.75 kg/L (Water = 1)
Solubility	Insoluble in water.	Partition coefficient n-octanol/water	N/Av.
Evaporation rate	< Butyl Acetate	Decomposition temperature	N/Av.
Vapour pressure	N/Av.	Viscosity	2 cSt @ 40°C (104°F)
Percent Volatile	N/Av.	Molecular mass	N/Av.
N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established			

10. Stability and reactivity

Reactivity	No information available for this product.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	Avoid heat, flame and sparks. Avoid contact with incompatible materials.
Incompatible materials	Strong bases, strong acids, strong oxidizing agents (e.g. chlorine, fluorine, nitric acid, perchloric acid, peroxides, nitrates, chlorates, chromates, permanganates and perchlorates).
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information


Numerical measures of toxicity	Naphtha (petroleum), hydrotreated heavy (C6-C13) Ingestion >10000 mg/kg Rat LD50 Inhalation >8.5 mg/l/4h Rat LC50 Skin >3200 mg/kg Rabbit LD50 Hydrocarbons, terpene processing by-products Ingestion >2000 mg/kg Rat LD50 Skin >2000 mg/kg Rat LD50
Likely routes of exposure	Skin, eyes, inhalation, ingestion.
Delayed, immediate and chronic effects	<p>Eye contact May cause redness and irritation to eyes. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient of this mixture gave not irritating to irritating results.</p> <p>Skin contact May cause itching, redness and irritation of the eyes. Prolonged or repeated exposure can cause skin drying, defatting and dermatitis.</p> <p>Inhalation Inhalation of vapours may cause central nervous system depression such as drowsiness, headache, dizziness, vertigo, nausea and fatigue.</p> <p>Ingestion May cause gastrointestinal irritation with nausea and vomiting.</p> <p>Respiratory or skin sensitization May cause an allergic reaction of the skin. Hydrocarbons, terpene processing by-products (CAS no 68956-56-9) have showed skin sensitisation on mice (OECD 429). This product is not a respiratory sensitizer.</p> <p>IARC/NTP Classification No ingredients listed.</p> <p>Carcinogenicity Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.</p> <p>Mutagenicity Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.</p> <p>Reproductive toxicity Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.</p> <p>Specific target organ toxicity - single exposure No target organ is listed.</p> <p>Specific target organ toxicity - repeated exposure No target organ is listed.</p>
Interactive effects	No information available.
Other information	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the dusts and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.

12. Ecological information


Ecological toxicity	<p>Fish - Pimephales promelas - Fresh water LC50 8.2 mg/L; 96 h (64742-48-9)</p> <p>Aquatic Invertebrate - Daphnia magna EC50 4.5 mg/L; 48 h (64742-48-9) OECD 202</p> <p>Fish - Zebrafish - Danio rerio LC50 5 mg/L; 96h (CAS no 68956-56-9) OECD 203</p> <p>Aquatic Invertebrate - Daphnia Magna, Water flea (immobilization) EC50 2.1-2.7 mg/L; 48h (CAS no 68956-56-9) OECD 202</p> <p>Aquatic plant - Pseudokirchneriella subcapitata - Fresh water static EC50 4.8 mg/L; 72h (CAS no 68956-56-9) OECD 201</p>
Persistence	Contains an or many ingredients that may be persistent in aquatic environment.
Degradability	The product is a mixture whose ingredients are not readily biodegradable (<60% in 28 days).

Bioaccumulative potential	The product is a mixture of which all ingredients have some potential to bioaccumulate (Log Kow of >3 and / or BCF >500).
Mobility in soil	The product is a mixture of which some ingredients evaporate very easily from the surface of the soil. Moreover, ingredients have moderate to low mobility in soil.
Other adverse effects	This chemical does not deplete the ozone layer.

13. Disposal considerations

	Container Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Put contaminated rags in water ant lay flat to completely dry in a well-ventilated area before storage. Empty containers can be treated (recycled) where there is a recovery program. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
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14. Transport information

UN Number	UN 3175
UN Proper Shipping Name	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (limonene)
Environmental hazards	Contains marine pollutant.
Special precautions for user	Permit required for transportation with proper DANGER placards displayed on vehicle. Exemption available: LTD QTY according to TDG Canada - art. 1.17; Mode of transportation: rail, sea and road, applicable for Canadian domestic shipments. Quantitative limits: applicable for containers containing =< 1 Kg each.
TDG - Transportation of Dangerous Goods (Canada)	
Transport hazard class(es)	 Class 4.1
Packing group	II
Emergency response guidebook 2016	<u>133</u>
IMO/IMDG - International Maritime Transport	
Classification	UN 3175. SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (limonene). Class 4.1, PG II. Emergency schedules (EmS-No) F-A, S-I
IATA - International Air Transport Association	
Classification	UN 3175. SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (limonene). Class 4.1, PG II.
<small>These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.</small>	

15. Regulatory information

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Naphtha (petroleum), hydrotreated heavy (C6-C13)	64742-48-9		X		
Hydrocarbons, terpene processing by-products	68956-56-9		X		X

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act

- DSL: Domestic Substances List Inventory

- NDSL: Non-Domestic Substances List Inventory

- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Naphtha (petroleum), hydrotreated heavy (C6-C13)	64742-48-9	X								
Hydrocarbons, terpene processing by-products	68956-56-9	X								

- TSCA: Toxic Substance Control Act

- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances

- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals

- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances

- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant

- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants

- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention

- CWA 311: Clean Water Act - List of Hazardous Substances

- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

No ingredients listed.

Other regulations

HMIS	
<input type="radio"/>	Health
<input type="radio"/>	Flamability
<input type="radio"/>	Reactivity
<input type="radio"/>	Protective Equipment



16. Other information

Date (YYYY-MM-DD)	AEROCHEM Inc. 2020-03-03
Version	04
Other information	<p>REFERENCES:</p> <ul style="list-style-type: none"> - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), http://www.reptox.csst.qc.ca <p>DATE OF FIRST VERSION OF SDS: 2016-02-26.</p>

CHANGES MADE IN THE VERSION 02:
sections 2, 3, 8, 11, 12 and 15.
DATE OF SECOND VERSION OF SDS:
2017-09-14.
CHANGES MADE IN THE VERSION 03:
section 3.
DATE OF THIRD VERSION OF SDS:
2019-08-01.
CHANGES MADE IN THE VERSION 04:
section 1.

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
HMIS: Hazardous Materials Identification System
NFPA: National Fire Protection Association
OSHA: Occupational Safety and Health Administration (USA)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
RSST: Règlement sur la santé et la sécurité du travail (Québec)
GHS: Globally Harmonized System
IARC: International Agency for Research on Cancer
IDLH: Immediately Dangerous to Life or Health
STEL: Short Term Exposure Limit (15 min)
TWA: Time Weighted Averages
WHMIS: Workplace Hazardous Materials Information System

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