

Material Safety Data Sheet

Solvent Naphtha 150 (RXSOL-19-1577-210)



1. Product and Company Identification

Product Name RXSOL-19-1577-210

Product Type Solvent Naphtha 150

Company Details:

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2. Composition / information on ingredients

Chemical Name	CAS Number	EC Number	Index number
Solvent naphtha (Petroleum), Type: C9-C10 Aromatic.	64742-94-5	265-198-5	649-424-00-3

3. Hazards Identification

Signal Word Miner Danger

Hazard Statements
H227 - Combustible liquid
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer

Precautionary statements - prevention
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 - Avoid breathing dust, fume, gas, mist, spray, vapors.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves, protective clothing.

Precautionary statements - response

P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER.
P302+P352 - If on skin: Wash with plenty of water.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a doctor, a POISON CENTER if you feel unwell.
P321 - Specific treatment (see a doctor on this label).
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO₂), dry extinguishing powder, Water spray to extinguish.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Storage: Store locked up. Store in a well-ventilated place. Keep cool.
Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

4. First Aid Measures

After inhalation	Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
After skin contact	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Gently wash with plenty of soap and water, Get medical advice/attention. Specific treatment (see Consult a doctor/medical service on this label). Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
After eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Consult an eye specialist. Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
After ingestion	Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Do not induce vomiting. Call a physician immediately.
General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.

5. Fire-fighting Measures

Suitable extinguishing media	Use dry chemical, CO ₂ , alcohol-resistant foam or water spray (fog).
Unsuitable extinguishing media	Do not use water jet
Protective Equipment	Wear suitable fire fighting suit.
Specific hazards arising from the chemical	Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion
Hazardous thermal decomposition products	Toxic fumes may be released.
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	For non-emergency : personnelNo action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
Environmental Precaution	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Small Spill :: 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.
Methods and materials for containment and cleaning up	Large Spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach 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 non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and Storage

Advice on safe handling	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage including any incompatibilities	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use

8. Exposure controls and personal protection

	Ingredient name	Exposure limits
Occupational exposure limits	Petroleum Distillates (64742-94-5)	Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)
		OSHA PEL (TWA) (ppm) 500 ppm

Engineering Controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Personal Protection	Eye protection : Wear chemical safety goggles. When transferring material wear face-shield in addition to chemical safety goggles. If inhalation hazards exist, a full-face respirator may be required instead. Hand protection : Chemical-resistant glove Skin protection : Wear long sleeves and chemical resistant apron to prevent repeated or prolonged skin contact. Respiratory protection : If a risk assessment indicates it is necessary, use a properly fitted, air purifying or supplied air respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

9. Physical and chemical properties

General Information

Form	Fluid
Colour	Clear
Odour	Characteristic
Change in condition	
Melting/ Freezing Point	-20°C
Boiling point/Boiling range	179°C
Flash point	66°C
Ignition temperature	400°C
Relative evaporation rate (butyl acetate=1)	0.1
Flammability (solid, gas)	No data available
Explosion limits	0.8 – 5.9 vol %
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	0.08 kPa (0.6 mm Hg) (at 20°C)
Relative density	0.883 - 0.900 kg/m ³
Relative vapor density at 20 °C	5 – 6
Specific gravity / density	895 kg/m ³
Solubility	Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	2.9 – 6.1
Decomposition temperature	No data available

10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
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Stability	Stable under normal conditions and recommended use.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials, organic materials, acids and alkalis.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Condition to Avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity	LD50 oral rat > 5000 mg/kg LD50 dermal rabbit > 3160 mg/kg LC50 Inhalation - Rat > 0.59 mg/l (Exposure time: 4 h)
Irritation/Corrosion	No applicable toxicity data
Sensitization	No applicable toxicity data
Mutagenicity	No applicable toxicity data.
Carcinogenicity	Not determine
Reproductive toxicity	No applicable toxicity data
Teratogenicity	No applicable toxicity data

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Distillates (64742-94-5)	Category 3	Not applicable.	Narcotic effects

Specific target organ toxicity (repeated exposure)

No data Available

Aspiration hazard

Not Applicable

Information on the likely routes of exposure

Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects

Eye contact :

Causes serious eye damage.

Inhalation :

Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact :

Causes severe burns. Harmful in contact with skin.

Ingestion :

Can cause central nervous system (CNS) depression.

Potential chronic health effects

Not Known

General :

May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity :

Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity :

No known significant effects or critical hazards.

Teratogenicity :

No known significant effects or critical hazards.

Developmental effects :

No known significant effects or critical hazards.

Fertility effects :

No known significant effects or critical hazards.

Acute toxicity estimates

Acute toxicity (oral) : Not classified
 Acute toxicity (dermal) : Not classified
 Acute toxicity (inhalation) : Not classified

12. Ecological information

Toxicity	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Eco - Toxicity	LC50 fish 1 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) EC50 Daphnia 1 0.95 mg/l (Exposure time: 48 h - Species: Daphnia magna) LC50 fish 2 2.34 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
Persistence and degradability	May cause long-term adverse effects in the environment.
Bioaccumulative potential	BCF fish 1 61 – 159 Partition coefficient n-octanol/water (Log Pow) 2.9 – 6.1 Bioaccumulative potential Not established.
Mobility in soil	If product enters soil, it will be highly mobile and may contaminate groundwater
Results of PBT and vPvB assessment	Not classified as PBT/vPvB by current EU criteria.

13. Disposal considerations

Remarks	Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.
Waste Disposal	Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

Transport hazard class(es)	UN	DOT	TDG Classification	IMDG	IATA
	Number	UN 1268	Not regulated for land transport	UN 1268	UN 1268
	Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
	Transport hazard class(es)	3 (8)	3 (8)	3 (8)	3 (8)
	Packing Group	III - Minor Danger	Not regulated for land transport	III - Minor Danger	III- Minor Danger
	Environmental hazards	NO	NO	NO	NO
Additional information					
ADR/RID	Not Regulated				
TDG Classification	Not Regulated				
IATA	The environmentally hazardous substance mark may appear if required by other transportation regulations.				
Special precautions for user	Allways transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.				
Environmental hazards					

Environmental hazards No
Marine pollutant No

15. Regulatory information

CLASSIFICATION AND LABELLING ACCORDING TO EC DIRECTIVES

HARMFUL/Xn

CLASSIFICATION/SYMBOL: GOVERNING DIRECTIVE:

Miner Dangerous Substances Directive 67/548/EC, as modified.

NATURE OF SPECIAL RISK

R65 Harmful : may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness

SAFETY ADVICE

S23 Do not breathe gas/fumes/vapour/spray
S24 Avoid contact with skin
S33 Take precautionary measures against static discharges
S62 If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.

NATIONAL REGULATION

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

16. Other information

Other
Information

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