

RILCO Mineral Spirits

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Version SOLVNT.001



1.1. Product Identifier

Product Form: Mixture

Product Name: RILCO Mineral Spirits

Product Code: Mineral Spirits +140

Synonyms: Kerosine - unspecified; Distillates, petroleum, hydrotreated light; Hydrotreated light distillate; Kerosene (petroleum), hydrotreated; HYDROTREATED KEROSENE; Jet fuels; Hydrotreated light distillates (petroleum); DISTILLATES; Deodorized kerosene; Dearomatized kerosine

1.2. Intended Use of the Product

Petrochemical industry: Petroleum refining. Solvent.

1.3. Name, Address, and Telephone of the Responsible Party

Company

RILCO

1320 1st Street

Rock Island, IL 61201

Phone - 309 788 5631

www.rilcoinc.com

1.4. Emergency Telephone Number

Emergency Number : (800) 424-9300 Chemtrec

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Combustible Liquids, 4 H227

Aspiration Hazard, 1 H304

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling



Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) :

Hazard Statements (GHS-US) :

Precautionary Statements (GHS-US) :

: Danger

: H227: Combustible Liquid

H304: May be fatal if swallowed and enters airways.

: P280, P210: Wear protective gloves. Wear eye or face protection. Keep away from flames or hot surfaces. No Smoking.

P301+ P310, P331: IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

P370 + P378 : In case of fire: Use dry chemical, CO₂, water spray (fog) or foam for extinction.

P405, P403 + P235: Store locked up. Store in well-ventilated place. Keep cool.

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3. Other Hazards

None Known

2.4. Unknown Acute Toxicity (GHS-US)

None Unknown

03/19/2019

EN (English US)

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3.1. Substances

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Distillates (petroleum), hydrotreated light	(CAS No) 64742-47-8	100	Combustible Liquid 4, H227 Aspiration Hazard 1, H304

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

3.2. Mixture

Not Applicable

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth- to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Defatting to the skin. May cause skin dryness and irritation.

Eye Contact: No Specific data.

Ingestion: May be fatal if swallowed and enters airways.

Chronic Symptoms: No known significant effects or critical hazards.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable Extinguishing Media: Do not use water jet

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.

Other Information: Refer to Section 9 for flammability properties.

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Put on appropriate personal protective equipment (see Section 8). Do not swallow.

Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container tightly closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Do not store in unlabeled containers.

Incompatible Materials: oxidizing materials

7.3. Specific End Use(s)

Petrochemical industry: Petroleum refining. Solvent.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Distillates (petroleum), Hydrotreated light (64742-47-8)		
USA ACGIH	ACGIH TWA (mg/m ³)	200 mg/m ³ (as total hydrocarbon vapor) 8 hours
USA ACGIH	ACGIH chemical category	Absorbed through skin

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. The engineering controls also need to keep gas, vapor or dust concentration below any lower explosive limits. Use explosion-proof ventilation equipment. Ensure all national/local regulations are observed.

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless
Odor	: Mild Hydrocarbon
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: 0.03 (butyl acetate=1)
Melting Point	: -49°C (-56.2°F)
Freezing Point	: Not available
Boiling Point	: 190 to 210 °C (374 to 410 °F)
Flash Point	: 65 °C (COC) (149 °F)
Auto-ignition Temperature	: >220 °C (>428°F)
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: 0.6%
Upper Flammable Limit	: 5.5%
Vapor Pressure	: 0.072 kPa (0.54 mm Hg) Room Temperature
Relative Vapor Density at 20 °C	: 4.5 [air=1]
Relative Density	: 0.783
Specific Gravity	: 0.85
Solubility	: Insoluble in the following materials: cold water and hot water
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Viscosity, Kinematic	: 0.0134 cm ² /s @ 40 °C
Explosive Properties	: Product is not explosive
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

- 10.1. Reactivity:** No specific test data related to reactivity available for this product or its ingredients.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Under normal condition of storage and use, hazardous reactions will not occur.
- 10.4. Conditions 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. Do not allow vapor to accumulate in low or confined areas.
- 10.5. Incompatible Materials:** oxidizing materials
- 10.6. Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data:

Distillates, (petroleum), hydrotreated light (64742-47-8)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg

Skin Corrosion/Irritation: Not classified **Eye**

Damage/Irritation: Not classified **Respiratory or**

Skin Sensitization: Not classified **Germ Cell**

Mutagenicity: Not classified **Teratogenicity:**

Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard:

Name	Result
Distillates, (petroleum), hydrotreated light (64742-47-8)	Aspiration Hazard – Category 1

Symptoms/Injuries After Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: Repeated or prolonged skin contact may cause irritation.

Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: May cause cancer.

11.2. Information on Toxicological Effects - Ingredient(s)

See 11.1

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Not available

12.2. Persistence and Degradability

Not available

12.3. Bioaccumulative Potential

Not available

12.4. Mobility in Soil

Not available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

13.1. Waste treatment methods

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains. Do not dispose of waste into sewer.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

- 14.1. In Accordance with DOT Not regulated for transport
- 14.2. In Accordance with IMDG Not regulated for transport
- 14.3. In Accordance with IATA Not regulated for transport
- 14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

RILCO Mineral Spirits	
SARA Section 311/312 Hazard Classes	Fire hazard

15.2. US State Regulations

U.S – New York – This material is not listed
U.S. - Massachusetts – This material is not listed
U.S. - New Jersey – This material is not listed
U.S. - Pennsylvania – This material is not listed

15.3. Canadian Regulations

This material is listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

- Revision Date : 05/11/2015
- Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
P280	Wear protective gloves/eye protection/face protection.
P210	Keep away from flames and hot surfaces. – No smoking
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P370 + P378	In case of Fire: Use dry chemical, CO ₂ , water spray (fog) or foam for extinction
P405	Store locked up.
P403 +235	Store in well-ventilated place. Keep Cool.
P501	Dispose of contents/container in accordance with all local, regional, national and international regulations.

Party Responsible for the Preparation of This Document

RILCO

1320 1st Street
 Rock Island, IL 61201
 Phone - 309 788 5631
 www.rilcoinc.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.