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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Solvo-Rust® Super Penetrating Oil  
**Product type:** Lubricant  
**Restriction of Use:** None identified  
**Company address:**  
 Henkel Canada Corporation  
 Meadowpine Boulevard 2515  
 Mississauga, Ontario L5N 6C3

**IDH number:** 235303  
**Item number:** 81252  
**Region:** Canada  
**Contact information:**  
 Telephone: +1 (905) 814-6511  
 MEDICAL EMERGENCY Phone: Poison Control Center  
 1-877-671-4608 (toll free) or 1-303-592-1711  
 TRANSPORT EMERGENCY Phone: CHEMTREC  
 1-800-424-9300 (toll free) or 1-703-527-3887  
 Internet: [www.henkelna.com](http://www.henkelna.com)

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**WARNING:** CONTENTS UNDER PRESSURE.  
 FLAMMABLE AEROSOL.  
 CAUSES SKIN IRRITATION.  
 CAUSES SERIOUS EYE IRRITATION.  
 MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE AEROSOL.	2
SKIN IRRITATION	2
EYE IRRITATION	2A
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

### PICTOGRAM(S)



### Precautionary Statements

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing mist or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, eye protection, and face protection.

**Response:** IF ON SKIN: Wash with plenty of water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015) and is consistent with the provision of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

IDH number: 235303

Product name: Solvo-Rust® Super Penetrating Oil

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	50 - 60
Hydrocarbon aliphatic aromatic naphthenic C9-12	64742-88-7	20 - 30
Butane	106-97-8	10 - 20
Propane	74-98-6	10 - 20
Kerosine (petroleum)	8008-20-6	10 - 20

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Skin contact:** Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**Symptoms:** See Section 11.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** In case of fire, keep containers cool with water spray.

**Unusual fire or explosion hazards:** Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Do not puncture or incinerate pressurized containers. Exposure to temperatures above 49°C (120°F) may cause container to burst. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

**Hazardous combustion products:** Oxides of carbon. Toxic and irritating vapors.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** Do not allow product to enter sewer or waterways.

**Clean-up methods:** Remove all sources of ignition. Ensure adequate ventilation. Isolate area. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## 7. HANDLING AND STORAGE

**Handling:**

Keep away from heat, spark and flame. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Vapors will accumulate readily and may ignite explosively.

**Storage:**

Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Store away from ignition sources. Keep in a cool, well ventilated area.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m <sup>3</sup> TWA mist 10 mg/m <sup>3</sup> STEL mist  Exposure by all routes should be carefully controlled to levels as low as possible. Included in the regulation but with no data values. See regulation for further details	5 mg/m <sup>3</sup> TWA mist 500 ppm (2,000 mg/m <sup>3</sup> ) PEL 5 mg/m <sup>3</sup> PEL Mist.	None	None
Hydrocarbon aliphatic aromatic naphthenic C9-12	100 ppm TWA 200 mg/m <sup>3</sup> TWA (as total hydrocarbon vapor) Non-aerosol. (SKIN) (as total hydrocarbon vapor) Non-aerosol.	500 ppm (2,900 mg/m <sup>3</sup> ) TWA	None	None
Butane	1,000 ppm STEL	None	None	None
Propane	Included in the regulation but with no data values. See regulation for further details	1,000 ppm (1,800 mg/m <sup>3</sup> ) PEL	None	None
Kerosine (petroleum)	200 mg/m <sup>3</sup> TWA (as total hydrocarbon vapor) Non-aerosol. (SKIN) (as total hydrocarbon vapor) Non-aerosol.	None	None	None

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Aerosol
<b>Color:</b>	Pale yellow, Off white
<b>Odor:</b>	Solvent
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	0.76
<b>Vapor density:</b>	Heavier than air.
<b>Flash point:</b>	< -18 °C (< 0.4 °F)
<b>Flashback:</b>	This product exhibits flashback when tested for flame extension.
<b>Flame projection:</b>	96 cm (37.8 inch)
<b>Flammable/Explosive limits - lower:</b>	0.7 %
<b>Flammable/Explosive limits - upper:</b>	9.5 %
<b>Autoignition temperature:</b>	Not available.
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	Faster than ether.
<b>Solubility in water:</b>	Not available.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	49.9 %
<b>Viscosity:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Irritating organic vapours.
<b>Incompatible materials:</b>	Strong oxidizing agents.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). Keep away from heat, spark and flame.

## 11. TOXICOLOGICAL INFORMATION

<b>Relevant routes of exposure:</b>	Skin, Inhalation, Eyes, Ingestion
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**Potential Health Effects/Symptoms**

<b>Inhalation:</b>	May cause respiratory tract irritation. May cause central nervous system effects with nausea, dizziness and headache.
<b>Skin contact:</b>	Causes skin irritation. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Distillates (petroleum), hydrotreated heavy naphthenic	None	Irritant
Hydrocarbon aliphatic aromatic naphthenic C9-12	None	Central nervous system, Irritant
Butane	Inhalation LC50 (Rat, 4 h) = 658 mg/l	Cardiac, Central nervous system, Irritant
Propane	None	Cardiac, Central nervous system, Irritant
Kerosine (petroleum)	None	Blood, Bone Marrow, Central nervous system, Irritant, Kidney, Liver, Lung, Spleen

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Distillates (petroleum), hydrotreated heavy naphthenic	Known To Be Human Carcinogen.	Group 1	No
Hydrocarbon aliphatic aromatic naphthenic C9-12	No	No	No
Butane	No	No	No
Propane	No	No	No
Kerosine (petroleum)	No	No	No

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available.

**13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

**Recommended method of disposal:** Do not incinerate. Depressurize cans. Follow all local, state, federal and provincial regulations for disposal.

**14. TRANSPORT INFORMATION**

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

**Canada Transportation of Dangerous Goods - Ground**

Proper shipping name: AEROSOLS  
Hazard class or division: 2.1  
Identification number: UN 1950  
Packing group: None

**International Air Transportation (ICAO/IATA)**

Proper shipping name: Aerosols, flammable  
Hazard class or division: 2.1  
Identification number: UN 1950  
Packing group: None  
Exceptions: (Not more than 500 ml), ID8000

<b>Water Transportation (IMO/IMDG)</b>	
Proper shipping name:	AEROSOLS
Hazard class or division:	2.1
Identification number:	UN 1950
Packing group:	None
Exceptions:	Limited quantity (Not more than 1 L).

## **15. REGULATORY INFORMATION**

### **Canada Regulatory Information**

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

### **United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

## **16. OTHER INFORMATION**

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

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