

# Material Safety Data Sheet

Issuing date 12-Jun-2014

Revision Date 12-Jun-2014

Version 1.01

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** 57850 (132B) PENETRATING OIL  
**Product code** F01472  
**Product Type** Extremely flammable aerosol Chlorinated  
**Recommended Use** Penetrating lubricant

**Manufactured For:**  
Kellogg's Professional Products  
325 Pearl Street  
Sandusky, OH 44870

**Chemical Emergency Phone Number** Chemtrec 1-800-424-9300  
**Company Emergency Phone Number** 1-419-625-6551 MON-FRI: 8:00 AM - 5:00 PM

## 2. HAZARDS IDENTIFICATION

**DANGER!**

### Emergency Overview

Irritating to respiratory system

Irritating to skin

Irritating to eyes

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

Contents under pressure

Extremely flammable aerosol

**Appearance** Clear

**Physical state** Aerosol

**Odor** Solvent

**OSHA Regulatory Status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Potential Health Effects

**Principle Routes of Exposure** Eye contact. Skin contact. Inhalation.

#### Acute toxicity

**Eyes**

Irritating to eyes.

**Skin**

Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis. May cause frostbite.

**Inhalation**

Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**Ingestion**

Not an expected route of exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Potential for aspiration if swallowed.

#### Chronic Effects

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse liver effects.

#### Main Symptoms

Prolonged skin contact may defat the skin and produce dermatitis.

**Aggravated Medical Conditions** No information available. Central nervous system. Preexisting eye disorders. Kidney disorders. Liver disorders. Skin disorders. Respiratory disorders.

**Interactions with Other Chemicals** Oxidizing agents Use of alcoholic beverages may enhance toxic effects

**Environmental hazard** See Section 12 for additional Ecological Information

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %*
TETRACHLOROETHYLENE	127-18-4	45-50
NAPHTHENIC OIL, SEVERLY HYDROT	64742-52-5	15-20
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	15-20
PETROLEUM DISTILLATES	64742-47-8	15-20

**4. FIRST AID MEASURES**

**General advice** Avoid contact with skin, eyes, and clothing. Avoid breathing, vapors, mist, or gas.

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Seek immediate medical attention/advice.

**Skin contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.

**Inhalation** Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

**Ingestion** Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

**Notes to physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Flammable Properties** Not flammable.

**Flash point Method** -141 °F / -96.4 °C  
Based on propellant

**Suitable Extinguishing Media** Foam. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO2).

**Hazardous Combustion Products** Carbon oxides.

**Explosion Data**

**Sensitivity to Static Discharge** no.

**Specific hazards arising from the chemical** Containers can build up pressure if exposed to heat (fire). Keep containers and surrounding areas cool with water spray.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 4</b>	<b>Stability 0</b>	<b>Physical and chemical hazards - Personal protection B</b>
<b>HMIS</b>	<b>Health Hazard 2</b>	<b>Flammability 4</b>	<b>Physical Hazard 1</b>	

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** Ensure adequate ventilation. For personal protection see section 8.

**Environmental precautions** Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**7. HANDLING AND STORAGE**

**Advice on safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

**Technical measures/Storage conditions** Keep out of the reach of children. Incompatible with oxidizing agents.

**Aerosol Level** 2

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
TETRACHLOROETHYLENE 127-18-4	STEL: 100 ppm TWA: 25 ppm	TWA: 100 ppm (vacated) TWA: 25 ppm (vacated) TWA: 170 mg/m <sup>3</sup> Ceiling: 200 ppm	IDLH: 150 ppm
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	-		

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures** Ensure adequate ventilation.

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene measures** Do not eat, drink or smoke when using this product. General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Avoid breathing vapors, mist or gas.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state** Aerosol  
**Odor** Solvent

**Appearance** Clear  
**Color** dark amber

**Property** Values  
**pH** Not applicable  
**Boiling point/boiling range** Remarks • Methods  
No information available

<b>Flash Point</b>	-96.4 °C / -141 °F	Based on propellant
<b>Flammability Limits in Air</b>		No data available
upper flammability limit		
lower flammability limit		
<b>Vapor pressure</b>		Not Determined
<b>Vapor density</b>		Heavier than air
<b>Specific Gravity</b>	1.040	No information available
<b>Water solubility</b>		No information available
<b>Viscosity, kinematic</b>		No information available

Other information

**VOC Content(%)** 35.25

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible products</b>	Strong oxidizing agents.
<b>Conditions to Avoid</b>	Strong oxidizing agents. Strong bases.
<b>Hazardous Decomposition Products</b>	Carbon oxides. Fumes. Hydrocarbons.
<b>Hazardous Reactions</b>	No information available.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity

**Product Information** Causes skin, eye and respiratory tract irritation. May be harmful if swallowed.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
TETRACHLOROETHYLENE	= 2629 mg/kg ( Rat )		4000 ppm ( Rat ) 4 h
PROPANE/ISOBUTANE/N-BUTANE	-		
PETROLEUM DISTILLATES	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h

Chronic toxicity

**Chronic toxicity** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse liver effects.

**Carcinogenicity** The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
TETRACHLOROETHYLENE	A3	Group 2A	Reasonably Anticipated	X
NAPHTHENIC OIL, SEVERLY HYDROT	A2	Group 1		X

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**  
 Group 1 - Carcinogenic to Humans  
 Group 2A - Probably Carcinogenic to Humans  
**NTP: (National Toxicity Program)**  
 Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen  
**OSHA: (Occupational Safety & Health Administration)**  
 X - Present

**Target Organ Effects** Central nervous system. Eyes. Kidney. Liver. Respiratory system. Skin.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT Ground** CONSUMER COMMODITY ORM-D  
 or  
 LIMITED QUANTITY

**IATA** UN1950, AEROSOLS, FLAMMABLE, CONTAINING SUBSTANCE IN DIVISION 6.1, PACKING GROUP III, 2.1 (6.1), LTD. QTY

**IMDG** UN1950, AEROSOLS, 2.1 (6.1), LTD. QTY

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** -  
**IECSC** Complies  
**KECL** Complies  
**PICCS** Complies  
**AICS** Complies

Chemical Name	TSCA	DSL/NDL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
TETRACHLOROETHYLENE	X	X	X	X	X	X	X	X
NAPHTHENIC OIL, SEVERLY HYDROT	X	X	X	X	X	X	X	X
PROPANE/ISOBUTANE/N-BUTANE	X	X	X	Not listed	X	X	X	X

<b>PETROLEUM DISTILLATES</b>	X	X	X	X	X	X	X	X
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TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 CHINA - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
TETRACHLOROETHYLENE	0.1

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
TETRACHLOROETHYLENE	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TETRACHLOROETHYLENE	X	X	X	X	
NAPHTHENIC OIL, SEVERLY HYDROT				X	

**International Regulations**

Chemical Name	Carcinogen Status	Exposure Limits
TETRACHLOROETHYLENE	A3	Mexico: TWA 100 ppm Mexico: TWA 670 mg/m <sup>3</sup> Mexico: TWA 200 ppm Mexico: TWA 1250 mg/m <sup>3</sup> Mexico: STEL 200 ppm Mexico: STEL 1340 mg/m <sup>3</sup>

**Canada**

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

**16. OTHER INFORMATION**

**Prepared By** American Jetway  
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Tel.734-721-5930

**Issuing date** 12-Jun-2014  
**Revision Date** 12-Jun-2014  
**Revision Note** No information available.

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Material Safety Data Sheet**