

Material Safety Data Sheet

Issuing date 12-Jun-2014

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Version 1.01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name 57800 PENETRATING RUST INHIBI
Product code F01471
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
PETROLEUM DISTILLATES	64742-47-8	15-20
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-15

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.

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

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 ³ 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

Flash Point	-96.4 °C / -141 °F	Based on propellant
Flammability Limits in Air		No data available
upper flammability limit		
lower flammability limit		
Vapor pressure		Not Determined
Vapor density		Heavier than air
Specific Gravity	1.062	No information available
Water solubility		No information available
Viscosity, kinematic		No information available

Other information

VOC Content(%) 32.62

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible products	Strong oxidizing agents.
Conditions to Avoid	Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products	Carbon oxides. Fumes. Hydrocarbons.
Hazardous Reactions	No information available.
Hazardous Polymerization	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
PETROLEUM DISTILLATES	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	5.2 mg/L (Rat) 4 h
PROPANE/ISOBUTANE/N-BUTANE	-		

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
PETROLEUM DISTILLATES	X	X	X	X	X	X	X	X

PROPANE/ISOBUTANE/N-BUTANE	X	X	X	Not listed	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 ³ Mexico: TWA 200 ppm Mexico: TWA 1250 mg/m ³ Mexico: STEL 200 ppm Mexico: STEL 1340 mg/m ³

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

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Wayne, MI 48184

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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