

**MATERIAL SAFETY DATA SHEET 57800
KELLOGG'S PROFESSIONAL PRODUCTS, INC.**

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: PENETRATING OIL/RUST INHIBITOR 57800 **IDENTIFICATION NUMBER:** 0650-L A-7055 **DATE PRINTED:** 05/05/05

Product Use: Rust Penetrant

PREPARER: Customer Service

SUPPLIER/DISTRIBUTOR:

KELLOGG'S PROFESSIONAL PRODUCTS, INC.

Manufactured For:

325 PEARL STREET
SANDUSKY, OH 44870

EMERGENCY TELEPHONE: 419-625-6551 M – F 8:30AM – 5:00PM

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

ITEM:	CHEMICAL/ COMMON NAME	CAS NUMBER	WT/WT % (LESS THAN)
01	TETRACHLOROETHYLENE	127-18-4	50.0%
02	STODDARD SOLVENT	8052-41-3	20.0%
03	PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	15.0%
04	PARAFFIN	8002-74-2	15.0%
05	METALWORKING FLUID ADDITIVE	MIXTURE	10.0%
06	CALCIUM SULFONATE	61789-86-4	5.0%

EXPOSURE LIMITS

ITEM	ACGIH		OSHA		COMPANY	SKIN
	TLV – TWA	TLV – STEL	PEL – TWA	PEL – CEILING	TLV – TWA	
01	25 PPM	100 PPM	25 PPM	200 PPM	N.E.	NO
02	100 PPM	N.E.	100 PPM	500 PPM	N.E.	YES
03	800 PPM	N.E.	800 PPM	N.E.	N.E.	YES
04	2 MG/M3	N.E.	2 MG/M3	N.E.	N.E.	NO
05	2 MG/M3	N.E.	2 MG/M3	N.E.	N.E.	NO
06	N.E.	N.E.	N.E.	N.E.	N.E.	NO

*(See Section 16 for abbreviation legend.)

SECTION 3 – HAZARDOUS IDENTIFICATION

*** **EMERGENCY OVERVIEW** *** Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

SKIN CONTACT: Prolonged or repeated contact can result in defatting / drying of the skin which may result in skin irritation and dermatitis (rash).

INHALATION: Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful.

INGESTION: This material may be harmful or fatal if swallowed. If a "corrosive" product, may cause severe and permanent damage to mouth, throat and stomach.

CHRONIC HAZARDS: Overexposure may cause nervous system damage, lung damage or kidney damage.

PRIMARY ROUTE (S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INGESTION INHALATION EYE CONTACT

SECTION 4 – FIRST AID MEASURES

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

FIRST AID – INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID – INGESTION: Get medical attention immediately. If swallowed, do **NOT** induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT -156 F
(SETAFLASH CLOSED CUP)

LOWER EXPLOSIVE LIMIT: 0.7 %
UPPER EXPLOSIVE LIMIT: 9.5 %

AUTOIGNITION TEMPERATURE: ND **EXTINGUISHING MEDIA:** ALCOHOL CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed.

SPECIAL FIRE FIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

IF PRODUCT IS ACCIDENTLY RELEASED / SPILLED: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Wash hands thoroughly after handling product.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing. Store in cool dry area away from direct sunlight.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLV s during the use of this product.

RESPIRATORY PROTECTION: A NIOSH / MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE INDUSTRIAL EQUIPMENT / CLOTHING STANDARDS SHOULD BE FOLLOWED.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS / label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	-43 - 387° F	VAPOR DENSITY:	Is heavier than air
ODOR:	SOLVENT	ODOR THRESHOLD:	ND
APPEARANCE:	YELLOW	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H2O:	NEGLIGIBLE		
FREEZE POINT:	32°	SPECIFIC GRAVITY:	0.9909
VAPOR PRESSURE:	50 – 60	Ph @ 0.0 %:	NA
PHYSICAL STATE:	LIQUID	VISCOSITY:	NA
COEFFICIENT OF WATER/OIL DISTRIBUTION: NEGLIGIBLE			

* See Section 16 for abbreviation legend.

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SECTION 10 – STABILITY AND REACTIVITY

CONDITIONS TO AVOID: ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES.

INCOMPATIBILITY: STRONG ACIDS, ALKALIS, OXIDIZERS, AND AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, OXIDES OF NITROGEN, AND MAY PRODUCE FORMS OF CHLORIDE, CHLORINE, AND PHOSGENE.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 – COMPONENT AND TOXICOLOGICAL PROPERTIES

PRODUCT LD50:	20 mg / kg	PRODUCT LC50:	5500 ppm
CHEMICAL NAME	LD50	LC50	
TETRACHLOROETHYLENE	2629 MG/KG/RAT	34200 MG/M3/8H/RAT	
STODDARD SOLVENT	>5000 MG/KG/RAT	>5500 MG/M3/4H/RAT	
PROPANE/ISOBUTANE/N-BUTANE	N.E.	658000 MG/M3/4H/RAT	
PARAFFIN	5000 MG/KG/RAT	N.E.	
METALWORKING FLUID ADDITIVE	>5000 MG/KG.RAT	N.E.	
CALCIUM SULFONATE	>20 MG/KG/RAT	N.E.	
METHYL ALCOHOL	5628 MG/KG/RAT	86000 MG/M3/HUMAN	

SECTION 12 – ECOLOGICAL INFORMATION

NO ECOLOGICAL INFORMATION

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14 –TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY

DOT TECHNICAL NAME: ORM-D

DOT HAZARD CLASS:

HAZARD SUBCLASS:

DOT UN/NA NUMBER:

PACKING GROUP:

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SECTION 15 –REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS AS FOLLOWS:

OSHA: Hazardous by definition of Hazard communication Standard (29 CFR 1910.1200)

CERCLA – SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 And 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories.

IMMEDIATE HEALTH HAZARD

CHRONIC HEALTH HAZARD

FIRE HAZARD

PRESSURIZED GAS HAZARD

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

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SECTION 15 –REGULATORY INFORMATION - CONTINUED

CHEMICAL NAME	CAS NUMBER	WT/WT% IS LESS THAN
TETRACHLOROETHYLENE	127-18-4	50.0%

TOXIC SUBSTANCES CONTROL ACT: This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
STODDARD SOLVENT	8052-41-3
METHYL ALCOHOL	67-56-1

UNITED STATES REGULATIONS AS FOLLOWS:

NEW JERSEY RIGHT-TO-KNOW: The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
No non-hazardous materials are among the top five ingredients	

PENNSYLVANIA RIGHT-TO-KNOW: The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
No non-hazardous materials are among the top five ingredients	

CALIFORNIA PROPOSITION 65: WARNING - The chemical (s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

CHEMICAL NAME	CAS NUMBER
TETRACHLOROETHYLENE	127-18-4
TOLUENE	108-88-33

INTERNATIONAL REGULATIONS AS FOLLOWS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings

CANADIAL WHMIS CLASS: No information available.

SECTION 16 – OTHER INFORMATION

HMIS RATINGS – HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 04/26/05

VOLATILE ORGANIC COMPOUNDS (VOCs): 2.59 lbs/gal 310 grams/liter

* **LEGEND:** N.A.- Not Applicable N.E. – Not Established, N.D – Not Determined

24 HOUR – EMERGENCY NUMBER: 1-800-424-9300

* The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.