

Cooper Industries/Cooper Power Systems: Kearney Rust Cutter

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMMON NAME:	Kearney Rust Cutter		
CHEMICAL NAME:	Not Applicable -- Mixture		
PRODUCT DESCRIPTION:	Flammable Aerosol Rust Remover		
FORMULA:	Not Applicable -- Mixture		
PRODUCT CAS NO.:	Not Applicable -- Mixture		
SUPPLIER:	Cooper Industries/Cooper Power Systems		
ADDRESS:	3660 South School Avenue		
CITY, STATE, ZIP:	Fayetteville, AR 72701		
PHONE:	(479) 521-3700	EMERGENCY PHONE: CHEMTREC (800) 924-9300	

2. HAZARDOUS INGREDIENTS: COMPOSITION/INFORMATION

INGREDIENT	% WEIGHT	PEL-OSHA	TLV-ACGIH	LD50/LC50 ROUTE/SPECIES
Hydrotreated Paraffinic distillates CAS No.: 64742-54-7 FORMULA: Not Available	55-75	5 mg/m ³	5 mg/m ³ * 10 mg/m ³ (STEL)	Not Available
Heptane CAS No.: 142-82-5 FORMULA: C ₇ H ₁₆	10-20	500 ppm	400 ppm 500 ppm	Not Available
Butane and Isobutane (as n-butane) CAS No.: 106-97-8 FORMULA: C ₄ H ₁₀	10-20	None Established	800 ppm	LC ₅₀ : 280,000 ppm inhalation/rat (4 H)
Propane CAS No.: 74-98-6 FORMULA: C ₃ H ₈	5-10	1000 ppm	2500 ppm	Not Available
Oleic Acid CAS No.: 112-80-1 FORMULA: C ₁₈ H ₃₄ O ₂	< 5	None Established	None Established	Not Available

* As sampled by a method that does not collect vapor.

OSHA Regulatory Status: This product is considered hazardous under criteria of this rule.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Flammable aerosol rust remover. May cause eye, skin, and respiratory irritation. Release in confined space or poorly ventilated area may create high aerosol and vapor concentrations. Inhalation of high vapor concentrations may have a narcotic or anesthetic effect. Dangerous fire and explosion hazard. Avoid heat, sparks, and flame. Contents under pressure. Use and store below 125 °F.

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POTENTIAL HEALTH EFFECTS

EYE: May cause irritation.

SKIN: May cause irritation.

INGESTION: Not expected.

INHALATION: May cause irritation. Systemic effects are not expected under normal working conditions due to the small size of the container. Vapors may build up if several containers are released or if aerosol is used in a confined or poorly ventilated area. High concentrations may depress the central nervous system (CNS) and act as an anesthetic or narcotic. Deliberate concentration and inhalation of fumes can be harmful or fatal.

SIGNS AND SYMPTOMS: Inhalation of high concentrations may cause irritation, nausea, incoordination, and drowsiness.

CHRONIC: None known. Repeated overexposure to unrefined oils has caused long-term health effects in experimental animals. The oils used in this product are severely refined. Available data indicates that severely refined petroleum oils are not expected to adversely affect health with repeated exposure.

CARCINOGENICITY: IARC: No NTP: No OSHA: No

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

TARGET ORGANS: Eyes, skin, respiratory system, CNS.

4. FIRST AID MEASURES

EYE: Flush eyes with large amounts of lukewarm water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

INGESTION: None required.

INHALATION: Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: No Data

FLAMMABLE LIMITS: LEL: No Data* UEL: No Data

NFPA HAZARD CLASSIFICATION:

HEALTH: 1 FLAMMABILITY: 4 REACTIVITY: 0
(as butane and propane)

* Data was unavailable for aerosol. The LEL for heptane is 1.05% and the LEL for butane is 1.9%.

EXTINGUISHING MEDIA: Stop the leak or isolate area and let fire burn. If fire is in areas where this product is stored, be cautious, as containers may rupture violently from pressure. Cool surrounding containers with water spray. Evacuate surrounding area in all directions.

FIRE AND EXPLOSION HAZARDS: Flammable aerosol. Container may vent rapidly or rupture violently from pressure when involved in a fire situation.

FIRE FIGHTING EQUIPMENT: Firefighters should wear a NIOSH-approved, full-facepiece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout or bunker gear.

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6. ACCIDENTAL RELEASE MEASURES

Not expected as product is in an aerosol container. For leaks, isolate contaminated area and extinguish all ignition sources. Remove spray can to outside if it can be done without risk and allow container to empty. Ventilate enclosed areas. Clean residue with soap and water. Residue may be slippery.

7. HANDLING AND STORAGE

Store in cool area away from heat sources. Use only in well ventilated areas. Do not use or store where heat, sparks, open flames, or other ignition sources are present. Do not smoke in work and storage areas. Wash thoroughly after handling and before meals and breaks. Protect containers from physical damage. Do not allow the temperatures where aerosols are stored to exceed 125° (52° C). Store upright and prevent containers being knocked over. DO NOT crush, puncture, heat, or incinerate. Do not weld on or near full or empty containers. Empty containers may contain flammable product residue, handle and dispose of accordingly.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Under normal working conditions below acceptable exposure guidelines, none required. Use a positive pressure NIOSH approved air-supplying respirator system (SCBA or airline/escape bottle) with a minimum Grade D air for if high or unknown concentrations are released.

SKIN PROTECTION: Protective gloves as necessary to prevent irritation.

EYE PROTECTION: Safety goggles or glasses as appropriate for the job.

ENGINEERING CONTROLS: General ventilation. Use local exhaust ventilation in confined areas or when large quantities of product may be released.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Brown aerosol spray
ODOR:	Gasoline type odor
BOILING POINT:	No Data
VAPOR PRESSURE:	No Data
VAPOR DENSITY (Air = 1):	No Data
SOLUBILITY IN WATER:	Slight
SPECIFIC GRAVITY:	No Data
MELTING POINT:	No Data
pH:	Not Applicable
% VOLATILE:	> 36

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBLE MATERIALS/CONDITIONS: Incompatible with oxidizers. Avoid heat, sparks, and flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, hydrocarbons and other oxidation products.

HAZARDOUS POLYMERIZATION: Will not occur.

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11. TOXICOLOGICAL INFORMATION

INHALATION: Concentrations of 10,000-15,000 ppm heptane produced CNS depression in mice within 30-60 minutes and 15-20,000 ppm for 30-60 minutes caused convulsions and death. A 10 minute exposure to 10,000 ppm butane caused drowsiness but no other evidence of systemic effects in humans. Humans that inhaled 10,000 ppm propane for 10 minutes experienced either no effect or only slight drowsiness.

SKIN AND EYE: Available data for ingredients indicates contact may cause minor skin and eye irritation.

OTHER: Mineral oils derived from highly refined oils appear to have low acute and subacute toxicity in animals. No tumors were seen in male mice exposed to twice-weekly skin application of 50 mg of undiluted paraffinic solvent refined oil for up to 80 weeks.

12. ECOLOGICAL INFORMATION

Oils in general have a high potential to bioconcentrate in aquatic organisms. Limited experimental data on alkanes suggest that bioconcentration may not be that important due to metabolism.

13. DISPOSAL CONSIDERATIONS

Recycle, reclaim and dispose of in accordance with applicable state, local and federal regulations.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME:	Aerosols, flammable, n.o.s. (heptane, butane)
HAZARD CLASS:	2.1
IDENTIFICATION NUMBER:	1950
SHIPPING LABEL:	FLAMMABLE GAS

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION: B3, D2B

SARA TITLE III – SECTION 313 SUPPLIER NOTIFICATION: This product does not contain ingredients subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372.

CALIFORNIA PROPOSITION 65: This product does not contain ingredients known to the State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

KEY:	
ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstracts Service
DOT:	Department of Transportation
IARC:	International Agency for Research on Cancer
MSHA:	Mine Safety and Health Administration
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
SARA:	Superfund Amendment and Reauthorization Act
TDG:	Transportation of Dangerous Goods
TLV:	Threshold Limit Value
WHMIS:	Workplace Hazardous Materials Information System

DISCLAIMER

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