

D.O.C. LUBRICATION SPECIALISTS  
MATERIAL SAFETY DATA SHEET

1. **CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

PRODUCT NAME: D.O.C. RUST PREVENTIVE 2280

PRODUCT CODE:

CHEMICAL FAMILY:

CHEMICAL NAME: MIXTURE

MANUFACTURER:

Dennis Oil Company

545 N National

Springfield, Mo. 65802

1-800-777-4554

Preparation Date: 10/07/07

EMERGENCY TELEPHONE NUMBERS: KEY

CHEMTREC: 1-800-424-9300

HAZARD RATING: NFPA HMIS

HEALTH: 2 2

FIRE: 1 1

REACTIVITY: 0 0

N/A - Not Applicable

NDA - No Data Available

NE - Not Established

BOS - Based on Solvent

OSHA ACGIH

2. **COMPOSITION/INFORMATION ON INGREDIENTS**

**CAS**

**PEL**

**TLV**

**CONC%**

D.O.C. RUST PREVENTIVE 2280

Mixture

100

Distillates Napthenic

66

Proprietary Additives including:

Sodium Sulfonate

8-12

Calcium Sulfonate

.25-1.5

Ethylene glycol monobutyl ether

000111-76-2 25 ppm

25 ppm

5

3. **HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**POTENTIAL HEALTH EFFECTS:**

ROUTES OF ENTRY..... Inhalation, skin contact/absorption, eye contact, ingestion.

INHALATION:..... Vapors may cause headache, dizziness, nausea, and unconsciousness.

SKIN CONTACT..... May be mildly irritating.

EYE CONTACT..... May be mildly irritating. Some additives, in their concentrated form, can cause eye damage.

INGESTION..... May irritate stomach and intestines. May be aspirated into lungs if swallowed, resulting in pulmonary edema and chemical pneumonitis.

CHRONIC EFFECTS OF OVEREXPOSURE.....No known applicable information.

OTHER HEALTH EFFECT..... Note to Physician: Treat symptomatically.

4. **FIRST AID MEASURES:**

EYES..... Immediately flush eyes with water for at least 15 minutes. Get immediate medical attention.

SKIN..... Remove contaminated clothing/shoes. Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse and discard shoes & other leather articles saturated with the material.

INHALATION..... If respiratory discomfort or irritation occurs, remove victim to fresh air. Get medical attention if discomfort or irritation continues. Give oxygen if necessary.

INGESTION..... **DO NOT INDUCE VOMITING.** If conscious, give 2 glasses of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs. Get medical attention immediately.

**5. FIRE FIGHTING MEASURES**

FLASH POINT..... 424.4 ° F

FLAMMABLE LIMITS/% VOLUME IN AIR:

LOWER..... Not Established

UPPER..... Not Established

EXTINGUISHING MEDIA..... Co2, dry chemical, foam, water spray, water fog.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:

Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water. Do not spray water directly on fire - product will float and could be re-ignited on surface of water.

UNUSUAL FIRE &amp; EXPLOSION HAZARDS.... Carbon oxides may form when burned.

**6. ACCIDENTAL RELEASE MEASURES**

Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments if exposure conditions warrant. Shut off source of leak if possible and contain spill. Keep out of water sources and sewers. Protect from sources of ignition. Absorb in dry, inert material (sand, clay, sawdust, etc.). Transfer to disposal containers using non-sparking equipment.

**7. HANDLING AND STORAGE**

Avoid contact with skin and eyes. Avoid breathing vapors. Do not take internally. Keep container closed when not in use. Do not store near heat or flame. Store in well ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EYE PROTECTION REQUIREMENTS... Safety glasses with side shield or chemical goggles. Face shield.

SKIN PROTECTION REQUIREMENTS.. Impervious gloves such as Nitrile should be used when handling this product.

RESPIRATORY/VENTILATION REQUIREMENTS... Use local exhaust ventilation to control mists or vapors. If exposure may or does exceed occupational exposure limits use a NIOSH APPROVED respirator to prevent overexposure. Use in well ventilated area. Avoid breathing mists or vapors.

OTHER..... Eyewash facility. Appropriate clothing to avoid skin contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL FORM..... Liquid

COLOR..... Brown liquid

ODOR..... Mild oil aroma

BOILING POINT..... 357-408° F

SOLUBILITY IN WATER.. Soluble

SPECIFIC GRAVITY..... 0.76 @ 60/60°F (H2O=1)

EVAPORATION RATE.... 0.1 (Butyl Acetate=1)

VAPOR PRESSURE..... 1.5 mm Hg @ 100°F

VAPOR DENSITY..... &gt;1 (Air=1)

**10. REACTIVITY**

STABILITY..... Stable - normal conditions

HAZARDOUS POLYMERIZATION.... Will not occur

INCOMPATIBILITIES.... Strong oxidizing agents.

DECOMPOSITION PRODUCTS..... Carbon oxides may be formed during combustion also, oxides of the following elements can form: sodium, sulfur.

**11. DISPOSAL CONSIDERATIONS**

Place in appropriate disposal facility in compliance with local regulations. This material, if discarded, is not a hazardous waste under RCRA regulation 40 CFR 261.

**12. TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME..... Not regulated  
D.O.T. HAZARD CLASS..... Not regulated  
HAZARDOUS SUBSTANCE/RQ..... No RQ  
SHIPPING DESCRIPTION..... Not regulated

**13. REGULATORY INFORMATION**

SARA SECTION 313

Ethylene glycol monobutyl ether

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