



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: 3-36® Multi-Purpose Lubricant and Corrosion Inhibitor (bulk)

Product Number (s): 03006, 03007, 03009, 03011, 03012, 73009, 73011

Product Use: Multi-Purpose Lubricant

Manufacturer / Supplier Contact Information:

In United States:

CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com
1-215-674-4300(General)
(800) 521-3168 (Technical)
(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.
2-1246 Lorimar Drive
Mississauga, Ontario L5S 1R2
www.crc-canada.ca
1-905-670-2291

In Mexico:

CRC Industries Mexico
Av. Benito Juárez 4055 G
Colonia Orquídea
San Luís Potosí, SLP CP 78394
www.crc-mexico.com
52-444-824-1666

24-Hr Emergency – CHEMREC: (800) 424-9300 or (703) 527-3887

Section 2: Hazards Identification

Emergency Overview

DANGER: Harmful or Fatal if Swallowed.

Appearance & Odor: Clear blue-green liquid, pleasant odor

Potential Health Effects:

ACUTE EFFECTS:

EYE: Contact may cause mild irritation including stinging, watering and redness.

SKIN: Contact may cause redness, itching, burning and skin damage. Prolonged or repeated contact can worsen irritation and lead to dermatitis. No harmful effects from skin absorption are expected.

INHALATION: Expected to have a low degree of toxicity by inhalation. High concentrations of vapors may be irritating to the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, and other central nervous system effects.

INGESTION: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: pre-existing dermatitis

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Product Name: 3-36® Multi-Purpose Lubricant and Corrosion Inhibitor (bulk)
Product Number (s): 03006, 03007, 03009, 03011, 03012, 73009, 73011

Section 3: Composition/Information on Ingredients

| COMPONENT | CAS NUMBER | % by Wt. |
|----------------------------------------------|-------------|----------|
| Hydrotreated light distillates | 64742-47-8 | 65 - 75 |
| Solvent-refined heavy paraffinic distillates | 64741-88-4 | 15 - 25 |
| Inhibitor blend | proprietary | 5 - 15 |

Section 4: First Aid Measures

Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

Ingestion: If swallowed, do NOT induce vomiting. Keep at rest. Get prompt medical attention.

Note to Physicians: This product is an aspiration hazard. Treat symptomatically.

Section 5: Fire-Fighting Measures

Flammable Properties: As defined by OSHA, this product is a Class IIIA Combustible Liquid.

Flash Point: 170°F (TCC) Upper Explosive Limit: 5.0
Autoignition Temperature: ND Lower Explosive Limit: 0.7

Fire and Explosion Data:

Suitable Extinguishing Media: Foam, dry chemical, carbon dioxide or water spray

Products of Combustion: Oxides of carbon

Explosion Hazards: Containers, when exposed to heat from fire, may build pressure and rupture.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

Product Name: 3-36® Multi-Purpose Lubricant and Corrosion Inhibitor (bulk)

Product Number (s): 03006, 03007, 03009, 03011, 03012, 73009, 73011

Section 7: Handling and Storage

Handling Procedures: Do not use near an open flame, heat or other sources of ignition. Use proper grounding and bonding procedures when transferring material. Keep containers closed when not in use. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage.

Aerosol Storage Level: NA

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

| COMPONENT | OSHA | | ACGIH | | OTHER | | UNIT |
|----------------------------------------------|------|------|-------|------|-------|--------|-------------------|
| | TWA | STEL | TWA | STEL | TWA | SOURCE | |
| Hydrotreated light distillates | NE | NE | NE | NE | 1200 | mfr | mg/m ³ |
| Solvent-refined heavy paraffinic distillates | 5* | NE | 5* | 10* | NE | | mg/m ³ |
| Inhibitor blend | NE | NE | NE | NE | NE | | |

N.E. – Not Established

(c) – ceiling

(s) – skin

(v) – vacated

* – oil mist

mfr – manufacturer's recommendation

Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile or neoprene. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: liquid

Color: blue-green

Odor: pleasant

Odor Threshold: ND

Specific Gravity: 0.8187

Initial Boiling Point: 380°F

Freezing Point: ND

Product Name: 3-36® Multi-Purpose Lubricant and Corrosion Inhibitor (bulk)
Product Number (s): 03006, 03007, 03009, 03011, 03012, 73009, 73011

Vapor Pressure: ND
Vapor Density: > 1 (air = 1)
Evaporation Rate: slow
Solubility: negligible in water
Coefficient of water/oil distribution: ND
pH: NA
Volatile Organic Compounds: wt %: 40.2 g/L: 329.1 lbs./gal: 2.74

Section 10: Stability and Reactivity

Stability: Stable
Conditions to Avoid: Temperature extremes, sources of ignition
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Oxides of carbon, oxides of sulfur, hydrocarbons
Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

Acute Toxicity:

| <u>Component</u> | <u>Oral LD50 (rat)</u> | <u>Dermal LD50 (rabbit)</u> | <u>Inhalation LC50 (rat)</u> |
|----------------------------------------------|------------------------|-----------------------------|------------------------------|
| Hydrotreated light distillates | > 5 g/kg | > 2 g/kg | > 5 mg/L/4H |
| Solvent-refined heavy paraffinic distillates | No data | No data | No data |
| Inhibitor blend | No data | No data | No data |

Chronic Toxicity:

| <u>Component</u> | <u>OSHA Carcinogen</u> | <u>IARC Carcinogen</u> | <u>NTP Carcinogen</u> | <u>Irritant E (mild) / S (moderate)</u> | <u>Sensitizer Unknown</u> |
|----------------------------------------------|----------------------------|----------------------------|---------------------------|-------------------------------------------------|-------------------------------|
| Hydrotreated light distillates | No | No | No | None | Unknown |
| Solvent-refined heavy paraffinic distillates | No | No | No | None | Unknown |
| Inhibitor blend | No | No | No | Unknown | Unknown |

E – Eye S – Skin R - Respiratory

Reproductive Toxicity: No information available
Teratogenicity: No information available
Mutagenicity: No information available
Synergistic Effects: No information available
Other: Paraffinic distillates: Product testing using IP 346 shows a DMSO PAH content of < 3% by weight.

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Product Name: 3-36® Multi-Purpose Lubricant and Corrosion Inhibitor (bulk)
Product Number (s): 03006, 03007, 03009, 03011, 03012, 73009, 73011

Ecotoxicity: No information available
Persistence / Degradability: No information available
Bioaccumulation / Accumulation: No information available
Mobility in Environment: No information available

Section 13: Disposal Considerations

Waste Classification: This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)
Empty containers may be recycled.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

Section 14: Transport Information

US DOT (ground): **03012:** Combustible Liquids, N.O.S (petroleum distillates), NA1993, PG III
All other part #'s: Not Regulated

ICAO/IATA (air): Not Regulated
(**Note: 03012 not recommended for air shipping)

IMO/IMDG (water): Not Regulated

Special Provisions: None

Section 15: Regulatory Information

U.S. Federal Regulations:

Toxic Substances Control Act (TSCA):
All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):
Reportable Quantities (RQ's) exist for the following ingredients: None

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

| | | |
|------------------------------------|-----------------------|-----|
| Section 311/312 Hazard Categories: | Fire Hazard | Yes |
| | Reactive Hazard | No |
| | Release of Pressure | No |
| | Acute Health Hazard | Yes |
| | Chronic Health Hazard | No |

Section 313 Toxic Chemicals: 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:
None

Clean Air Act:

Product Name: 3-36® Multi-Purpose Lubricant and Corrosion Inhibitor (bulk)

Product Number (s): 03006, 03007, 03009, 03011, 03012, 73009, 73011

Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration (OSHA):

This product is regulated under the Hazard Communication Standard.

U.S. State Regulations:

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

Consumer Products VOC Regulations: In states with Consumer Products VOC regulations, this product is compliant as a Multi-Purpose Lubricant.

State Right to Know:

New Jersey: None

Pennsylvania: None

Massachusetts: None

Rhode Island : None

Canadian Regulations:

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

WHMIS Hazard Class: B3

European Union Regulations:

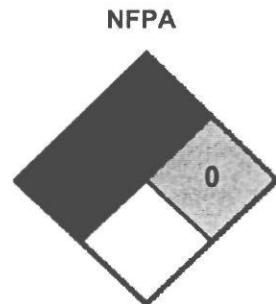
RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

Section 16: Other Information

| HMIS® (II) | |
|-------------|---|
| Health: | 1 |
| | 2 |
| Reactivity: | 0 |
| PPE: | B |

Ratings range from 0 (no hazard) to 4 (severe hazard)



Prepared By: Michelle Rudnick

CRC #: 510C

Revision Date: 07/09/2010

Changes since last revision: New part # added

Product Name: 3-36® Multi-Purpose Lubricant and Corrosion Inhibitor (bulk)**Product Number (s): 03006, 03007, 03009, 03011, 03012, 73009, 73011**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Service

CFR: Code of Federal Regulations

DOT: Department of Transportation

DSL: Domestic Substance List

g/L: grams per Liter

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

IMO: International Maritime Organization

lbs./gal: pounds per gallon

LC: Lethal Concentration

LD: Lethal Dose

NA: Not Applicable

ND: Not Determined

NIOSH: National Institute of Occupational Safety & Health

NFPA: National Fire Protection Association

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PMCC: Pensky-Martens Closed Cup

PPE: Personal Protection Equipment

ppm: Parts per Million

RoHS: Restriction of Hazardous Substances

STEL: Short Term Exposure Limit

TCC: Tag Closed Cup

TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Information System