# SAFETY DATA SHEET

## 1. Identification

| | |
|---|---|
| **Product identifier** | **6-56® Multi-Purpose Lubricant** |
| **Other means of identification** | |
| **Product code** | 06008 |
| **Recommended use** | Multi-purpose lubricant |
| **Recommended restrictions** | None known. |

**Manufacturer/Importer/Supplier/Distributor information**

**Manufactured or sold by:**

| | |
|---|---|
| **Company name** | CRC Industries, Inc. |
| **Address** | 885 Louis Dr.<br>Warminster, PA 18974 US |
| **Telephone** | |
| **General Information** | 215-674-4300 |
| **Technical Assistance** | 800-521-3168 |
| **Customer Service** | 800-272-4620 |
| **24-Hour Emergency (CHEMTREC)** | 800-424-9300 (US)<br>703-527-3887 (International) |
| **Website** | www.crcindustries.com |

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable liquids | Category 4 |
| **Health hazards** | Sensitization, skin | Category 1 |
| | Aspiration hazard | Category 1 |
| **Environmental hazards** | Hazardous to the aquatic environment, acute hazard | Category 3 |
| **OSHA defined hazards** | Not classified. | |

**Label elements**

| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statement** | Combustible liquid. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Harmful to aquatic life. |
| **Precautionary statement** | |
| **Prevention** | Keep away from flames and hot surfaces-No smoking. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Avoid breathing gas, mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. Wash thoroughly after handling. Avoid release to the environment. |
| **Response** | If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. In case of fire: Do not use water jet as an extinguisher, as this will spread the fire. |
| **Storage** | Keep cool. Store locked up. |
| **Disposal** | Dispose of contents/container in accordance with local/regional/national regulations. |
| **Hazard(s) not otherwise classified (HNOC)** | None known. |

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light | | 64742-47-8 | 60 - 70 |
| Paraffin oils (petroleum), catalytic dewaxed heavy | | 64742-70-7 | 10 - 20 |
| dipropylene glycol monomethyl ether acetate | | 88917-22-0 | 5 - 10 |
| Paraffin oils (petroleum), catalytic dewaxed light | | 64742-71-8 | 5 - 10 |
| n-Butyl stearate | | 123-95-5 | 3 - 5 |
| Petrolatum | | 8009-03-8 | 1 - 3 |
| Fatty Acids, C18-unsatd., Dimers | | 61788-89-4 | < 1 |
| d-Limonene | | 5989-27-5 | < 0.2 |
| Terpinolene | | 586-62-9 | < 0.2 |

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Call a physician or poison control center immediately. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms/effects, acute and delayed** Aspiration may cause pulmonary edema and pneumonitis. May cause an allergic skin reaction. Dermatitis. Rash.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

**General fire hazards** Combustible liquid.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental precautions**

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling**

Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid breathing gas. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat and sources of ignition. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**U.S. - OSHA**

| Components | Type | Value | Form |
|---|---|---|---|
| Fatty Acids, C18-unsatd., Dimers (CAS 61788-89-4) | TWA | 5 mg/m3 | Respirable |

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| Paraffin oils (petroleum), catalytic dewaxed heavy (CAS 64742-70-7) | PEL | 5 mg/m3 | Mist. |
| Paraffin oils (petroleum), catalytic dewaxed light (CAS 64742-71-8) | PEL | 5 mg/m3 | Mist. |
| Petrolatum (CAS 8009-03-8) | PEL | 5 mg/m3 | Mist. |

**ACGIH**

| Components | Type | Value | Form |
|---|---|---|---|
| Fatty Acids, C18-unsatd., Dimers (CAS 61788-89-4) | STEL | 10 mg/m3 | Respirable |
| | TWA | 5 mg/m3 | Respirable |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| n-Butyl stearate (CAS 123-95-5) | TWA | 10 mg/m3 | |
| Paraffin oils (petroleum), catalytic dewaxed heavy (CAS 64742-70-7) | TWA | 5 mg/m3 | Inhalable fraction. |
| Paraffin oils (petroleum), catalytic dewaxed light (CAS 64742-71-8) | TWA | 5 mg/m3 | Inhalable fraction. |
| Petrolatum (CAS 8009-03-8) | TWA | 5 mg/m3 | Inhalable fraction. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value | Form |
|---|---|---|---|
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) | TWA | 100 mg/m3 | |
| Paraffin oils (petroleum), catalytic dewaxed heavy (CAS 64742-70-7) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| Paraffin oils (petroleum), catalytic dewaxed light (CAS 64742-71-8) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| Petrolatum (CAS 8009-03-8) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

**US. AIHA Workplace Environmental Exposure Level (WEEL) Guides**

| Components | Type | Value |
|---|---|---|
| d-Limonene (CAS 5989-27-5) | TWA | 165.5 mg/m3 |
| | | 30 ppm |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear protective gloves such as: Nitrile. Neoprene.

**Other** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** 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. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations** When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Blue green

**Odor** Pleasant.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** -56.2 °F (-49 °C) estimated

**Initial boiling point and boiling range** 380 °F (193.3 °C) estimated

**Flash point** 192 °F (88.9 °C) Tag Closed Cup

**Evaporation rate** Slow.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

| | |
|---|---|
| **Flammability limit - lower (%)** | 0.6 % estimated |
| **Flammability limit - upper (%)** | 5.5 % estimated |
| **Vapor pressure** | 0.3 hPa estimated |
| **Vapor density** | > 1 (air = 1) |
| **Relative density** | 0.83 |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | 428 °F (220 °C) estimated |
| **Decomposition temperature** | Not available. |
| **Viscosity (kinematic)** | Not available. |
| **Percent volatile** | 77.5 % estimated |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **Conditions to avoid** | Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | Carbon oxides. Sulfur oxides. Hydrocarbons. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Prolonged inhalation may be harmful. |
| **Skin contact** | May cause an allergic skin reaction. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Ingestion** | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Aspiration may cause pulmonary edema and pneumonitis. Headache. Nausea, vomiting. Diarrhea. May cause an allergic skin reaction. Dermatitis. Rash. |

**Information on toxicological effects**

**Acute toxicity** May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

| Product | Species | Test Results |
|---|---|---|
| 6-56® Multi-Purpose Lubricant | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 2089 mg/kg estimated |
| **Oral** | | |
| LD50 | Rat | 4734 mg/kg estimated |

* Estimates for product may be based on additional component data not shown.

| | |
|---|---|
| **Skin corrosion/irritation** | Prolonged skin contact may cause temporary irritation. |
| **Serious eye damage/eye irritation** | Direct contact with eyes may cause temporary irritation. |
| **Respiratory sensitization** | Not a respiratory sensitizer. |
| **Skin sensitization** | May cause an allergic skin reaction. |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| d-Limonene (CAS 5989-27-5) | 3 Not classifiable as to carcinogenicity to humans. |
| Paraffin oils (petroleum), catalytic dewaxed light (CAS 64742-71-8) | 3 Not classifiable as to carcinogenicity to humans. |

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death.

**Chronic effects** Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life.

| Components | | Species | Test Results |
|---|---|---|---|
| dipropylene glycol monomethyl ether acetate (CAS 88917-22-0) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Crustacea | LC50 | Water flea (Daphnia magna) | 2701 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 151 mg/l, 96 hours |
| | | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 111 mg/l, 96 hours |
| Distillates (petroleum), hydrotreated light (CAS 64742-47-8) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 2.2 mg/l, 96 hours |
| d-Limonene (CAS 5989-27-5) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) | 69.6 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 0.619 - 0.796 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

| | |
|---|---|
| dipropylene glycol monomethyl ether acetate | 0.61 OECD 107 |
| d-Limonene | 4.232 |
| Fatty Acids, C18-unsatd., Dimers | 1 - 2.5, logKow |
| Terpinolene | 4.23 |

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal of waste from residues / unused products**
This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

**Hazardous waste code**
Not regulated.

**Contaminated packaging**
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

## 15. Regulatory information

**US federal regulations**
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**SARA 304 Emergency release notification**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not regulated.

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**CERCLA Hazardous Substances: Reportable quantity**

Not listed.

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.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**
Not regulated.

**Food and Drug Administration (FDA)**
Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Section 311/312 Hazard categories**
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**
No

**US state regulations**

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Distillates (petroleum), hydrotreated light (CAS 64742-47-8)
Paraffin oils (petroleum), catalytic dewaxed heavy (CAS 64742-70-7)
Paraffin oils (petroleum), catalytic dewaxed light (CAS 64742-71-8)

Petrolatum (CAS 8009-03-8)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

Paraffin oils (petroleum), catalytic dewaxed heavy (CAS 64742-70-7)
Paraffin oils (petroleum), catalytic dewaxed light (CAS 64742-71-8)

**US. New Jersey Worker and Community Right-to-Know Act**

Distillates (petroleum), hydrotreated light (CAS 64742-47-8)

**US. Rhode Island RTK**

None.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Distillates (petroleum), hydrotreated light (CAS 64742-47-8)
Paraffin oils (petroleum), catalytic dewaxed heavy (CAS 64742-70-7)
Paraffin oils (petroleum), catalytic dewaxed light (CAS 64742-71-8)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**Volatile organic compounds (VOC) regulations**

**EPA**

| | |
|---|---|
| **VOC content (40 CFR 51.100(s))** | 100 % |
| **Consumer products (40 CFR 59, Subpt. C)** | Not regulated |

**State**

| | |
|---|---|
| **Consumer products** | This product is regulated as a Multi-Purpose Lubricant. This product is compliant for use in all 50 states. |
| **VOC content (CA)** | 0 % |
| **VOC content (OTC)** | 0 % |

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

| | |
|---|---|
| **Issue date** | 10-31-2013 |
| **Revision date** | 04-14-2016 |
| **Prepared by** | Allison Cho |
| **Version #** | 03 |
| **Further information** | CRC # 510F |
| **HMIS® ratings** | Health: 1<br>Flammability: 2<br>Physical hazard: 0<br>Personal protection: B |

**NFPA ratings**

Health: 1
Flammability: 2
Instability: 0

**NFPA ratings**


**Disclaimer**

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 (M)SDS consult your supervisor, a health & safety professional, or CRC Industries.

**Revision Information**

Hazard(s) identification: Hazard statement
Hazard(s) identification: Response
Hazard(s) identification: Storage
Hazard(s) identification: Supplemental label information