



SAFETY DATA SHEET

1. Identification

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|---|---|
| Product identifier | Multi Purpose Food Grade Grease |
| Other means of identification | |
| Product code | SL35605 |
| Recommended use | Lubricating grease |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Company name | CRC Industries, Inc. |
| Address | 885 Louis Dr. 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) 703-527-3887 (International) |
| Website | www.crcindustries.com |

2. Hazard(s) identification

| | |
|--|--|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Environmental hazards | Hazardous to the aquatic environment, acute hazard Category 1 Hazardous to the aquatic environment, long-term hazard Category 1 |
| OSHA defined hazards | Not classified. |
| Label elements | |
| Hazard symbol | None. |
| Signal word | None. |
| Hazard statement | Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. |
| Precautionary statement | |
| Prevention | Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use. Observe good industrial hygiene practices. Avoid release to the environment. |
| Response | Wash hands after handling. Collect spillage. |
| Storage | Store away from incompatible materials. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| Hazard(s) not otherwise classified (HNOC) | None known. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|--------------------------------------|---------------------------------|-------------------|----------|
| white mineral oil | | 8042-47-5 | 50 - 60 |
| aluminum hydroxide benzoate stearate | | 54326-11-3 | 10 - 20 |
| calcium carbonate | | 1317-65-3 | 10 - 20 |
| zinc oxide | | 1314-13-2 | 5 - 10 |

| Chemical name | Common name and synonyms | CAS number | % |
|----------------------------|--------------------------|------------|-------|
| quartz | | 14808-60-7 | < 1 |
| 2,6-di-tert-butyl-p-cresol | | 128-37-0 | < 0.2 |

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

4. First-aid measures

| | |
|---|---|
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. If inhalation of a large amount does occur, call a physician immediately. |
| Skin contact | Wash off with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if symptoms occur. If ingestion of a large amount does occur, call a poison control center immediately. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. |
| Indication of immediate medical attention and special treatment needed | Treat symptomatically. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

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|--|--|
| Suitable extinguishing media | Use fire-extinguishing media appropriate for surrounding materials. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| Fire-fighting equipment/instructions | Cool containers exposed to heat with water spray and remove container, if no risk is involved. Use water spray to cool unopened containers. |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. Accidental release measures

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|--|--|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. 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 | Prevent product from entering drains. Stop the flow of material, if this is without risk. Sweep up or vacuum up spillage and collect in suitable container for disposal. Following product recovery, flush area with water. 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 | When using, do not eat, drink or smoke. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Use appropriate container to avoid environmental contamination. Wash contaminated clothing before reuse. 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. Keep container tightly closed. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). |

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

| Components | Type | Value | Form |
|-----------------------------------|------|------------------------|----------------------|
| calcium carbonate (CAS 1317-65-3) | PEL | 5 mg/m ³ | Respirable fraction. |
| quartz (CAS 14808-60-7) | PEL | 15 mg/m ³ | Total dust. |
| white mineral oil (CAS 8042-47-5) | PEL | 0.05 mg/m ³ | Respirable dust. |
| zinc oxide (CAS 1314-13-2) | PEL | 5 mg/m ³ | Mist. |
| | | 5 mg/m ³ | Respirable fraction. |
| | | 5 mg/m ³ | Fume. |
| | | 15 mg/m ³ | Total dust. |

US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components | Type | Value | Form |
|-------------------------|------|-----------------------|-------------|
| quartz (CAS 14808-60-7) | TWA | 0.1 mg/m ³ | Respirable. |
| | | 2.4 mppcf | Respirable. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---|------|-------------------------|-------------------------------|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | TWA | 2 mg/m ³ | Inhalable fraction and vapor. |
| aluminum hydroxide benzoate stearate (CAS 54326-11-3) | TWA | 1 mg/m ³ | Respirable fraction. |
| quartz (CAS 14808-60-7) | TWA | 0.025 mg/m ³ | Respirable fraction. |
| white mineral oil (CAS 8042-47-5) | TWA | 5 mg/m ³ | Inhalable fraction. |
| zinc oxide (CAS 1314-13-2) | STEL | 10 mg/m ³ | Respirable fraction. |
| | TWA | 2 mg/m ³ | Respirable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|---|---------|------------------------|------------------|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | TWA | 10 mg/m ³ | |
| calcium carbonate (CAS 1317-65-3) | TWA | 5 mg/m ³ | Respirable. |
| quartz (CAS 14808-60-7) | TWA | 10 mg/m ³ | Total |
| white mineral oil (CAS 8042-47-5) | STEL | 0.05 mg/m ³ | Respirable dust. |
| | | 10 mg/m ³ | Mist. |
| zinc oxide (CAS 1314-13-2) | TWA | 5 mg/m ³ | Mist. |
| | Ceiling | 15 mg/m ³ | Dust. |
| | STEL | 10 mg/m ³ | Fume. |
| | TWA | 5 mg/m ³ | Dust. |
| | | 5 mg/m ³ | Fume. |

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. Latex.

Other

Wear suitable protective clothing.

| | |
|---------------------------------------|--|
| 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 | 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. |

9. Physical and chemical properties

Appearance

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|---|--|
| Physical state | Solid. |
| Form | Grease. |
| Color | White. |
| Odor | Mild petroleum. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 450 °F (232.2 °C) estimated |
| Flash point | > 430 °F (> 221.1 °C) Cleveland Open Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | 0.89 |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | 500 °F (260 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity (kinematic) | > 20.5 mm ² /s (104 °F (40 °C)) |
| Percent volatile | 55 % 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 | Contact with incompatible materials. |
| Incompatible materials | Acids. Strong oxidizing agents. Fluorine. |
| Hazardous decomposition products | Carbon oxides. Metal oxides. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | Prolonged or excessive inhalation may cause respiratory tract irritation. |
| Skin contact | Prolonged skin contact may cause temporary irritation. Repeated exposure may cause skin dryness or cracking. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |

Ingestion Can cause stomach ache and vomiting.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not known.

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

Multi Purpose Food Grade Grease

Acute

Dermal

ATEmix

2338.5376 mg/kg

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

2,6-di-tert-butyl-p-cresol (CAS 128-37-0)

Acute

Oral

LD50

Rat

890 mg/kg

quartz (CAS 14808-60-7)

Acute

Oral

LD50

Rat

500 mg/kg

white mineral oil (CAS 8042-47-5)

Acute

Dermal

LD50

Rabbit

> 2000 mg/kg

Inhalation

LC50

Rat

> 5 mg/l, 4 hours

Oral

LD50

Rat

50000 mg/kg

zinc oxide (CAS 1314-13-2)

Acute

Oral

LD50

Rat

> 5000 mg/kg

* 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 This product is not expected to cause skin sensitization.

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

2,6-di-tert-butyl-p-cresol (CAS 128-37-0)

3 Not classifiable as to carcinogenicity to humans.

white mineral oil (CAS 8042-47-5)

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 | Not likely, due to the form of the product. |
| Chronic effects | Prolonged exposure may cause chronic effects. |

12. Ecological information

Ecotoxicity Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

| Components | Species | Test Results |
|---|---------|---|
| 2,6-di-tert-butyl-p-cresol (CAS 128-37-0) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) |
| | | 1.44 mg/l, 48 hours |
| zinc oxide (CAS 1314-13-2) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Crustacea | EC50 | Water flea (Daphnia magna) |
| | | 0.098 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) |
| | | 1.1 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

| | |
|--------------------------------------|-------|
| Bioconcentration factor (BCF) | |
| zinc oxide | 60690 |

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

| | |
|-------------------------------------|---|
| UN number | UN3077 |
| UN proper shipping name | Environmentally hazardous substance, solid, n.o.s. (zinc oxide) |
| Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Packing group | III |
| ERG Code | 9L |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo aircraft | Allowed with restrictions. |
| Cargo aircraft only | Allowed with restrictions. |

IMDG

| | |
|--------------------------------|---|
| UN number | UN3077 |
| UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide), MARINE POLLUTANT |

Transport hazard class(es)**Class** 9**Subsidiary risk** -**Packing group** III**Environmental hazards****Marine pollutant** Yes**EmS** F-A, S-F**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory information

US federal regulations

All components are on the U.S. EPA TSCA Inventory List.

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

zinc oxide (CAS 1314-13-2)

CERCLA Hazardous Substance List (40 CFR 302.4)

zinc oxide (CAS 1314-13-2) 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** Immediate Hazard - No**Hazard categories** Delayed Hazard - No

Fire Hazard - No

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))**

quartz (CAS 14808-60-7)

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

2,6-di-tert-butyl-p-cresol (CAS 128-37-0)

calcium carbonate (CAS 1317-65-3)

quartz (CAS 14808-60-7)

zinc oxide (CAS 1314-13-2)

US. Massachusetts RTK - Substance List

calcium carbonate (CAS 1317-65-3)

white mineral oil (CAS 8042-47-5)

zinc oxide (CAS 1314-13-2)

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

2,6-di-tert-butyl-p-cresol (CAS 128-37-0)
 calcium carbonate (CAS 1317-65-3)
 quartz (CAS 14808-60-7)
 white mineral oil (CAS 8042-47-5)
 zinc oxide (CAS 1314-13-2)

US. Rhode Island RTK

2,6-di-tert-butyl-p-cresol (CAS 128-37-0)
 calcium carbonate (CAS 1317-65-3)
 quartz (CAS 14808-60-7)
 white mineral oil (CAS 8042-47-5)

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)) Not determined

Consumer products (40 CFR 59, Subpt. C) Not regulated

State

Consumer products Not regulated

VOC content (CA) 0.3 %

VOC content (OTC) 0.3 %

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| 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 | Yes |
| 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 | 02-14-2017 |
| Revision date | 02-14-2017 |
| Prepared by | Allison Cho |
| Version # | 02 |
| Further information | Not available. |
| HMIS® ratings | Health: 1 Flammability: 1 Physical hazard: 0 Personal protection: B |
| NFPA ratings | Health: 1 Flammability: 1 Instability: 0 |

NFPA ratings**Disclaimer**

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