



SAFETY DATA SHEET

1. Identification

| | |
|---|--|
| Product identifier | Food Grade White Grease |
| Other means of identification | |
| Product Code | No. 03038 (Item# 1003292) |
| Recommended use | Grease |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Manufactured or sold by: | |
| 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) |
| Website | www.crcindustries.com |

2. Hazard(s) identification

| | | |
|------------------------------|--|-----------------------------|
| Physical hazards | Flammable aerosols | Category 1 |
| | Gases under pressure | Liquefied gas |
| Health hazards | Skin corrosion/irritation | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Aspiration hazard | Category 1 |
| 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



| | |
|--------------------------------|---|
| Signal word | Danger |
| Hazard statement | Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. |
| Precautionary statement | |
| Prevention | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not apply while equipment is energized. Extinguish all flames, pilot lights, and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. 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 mist/vapor. Wash thoroughly after handling. Wear protective gloves. Avoid release to the environment. |

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| Response | If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Collect spillage. |
| Storage | Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst. |
| Disposal | Dispose of contents/container in accordance with local/regional/national regulations. |
| Hazard(s) not otherwise classified (HNOC) | Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---|--------------------------|------------|---------|
| n-butane | | 106-97-8 | 20 - 30 |
| propane | | 74-98-6 | 20 - 30 |
| naphtha (petroleum), hydrotreated light | | 64742-49-0 | 10 - 20 |
| white mineral oil | | 8042-47-5 | 10 - 20 |
| n-heptane | | 142-82-5 | 5 - 10 |
| 3-methylhexane | | 589-34-4 | 3 - 5 |
| aluminum hydroxide benzoate stearate | | 54326-11-3 | 3 - 5 |
| methylcyclohexane | | 108-87-2 | 3 - 5 |
| polybutene | | 9003-29-6 | 3 - 5 |
| 2-methylhexane | | 591-76-4 | 1 - 3 |
| calcium carbonate | | 1317-65-3 | 1 - 3 |
| zinc oxide | | 1314-13-2 | 1 - 3 |
| 2,3-dimethylpentane | | 565-59-3 | < 1 |
| 3-ethylpentane | | 617-78-7 | < 1 |
| 3,3-dimethylpentane | | 562-49-2 | < 0.2 |

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

4. First-aid measures

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|---|---|
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell. |
| Skin contact | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| Eye contact | Rinse with water. Get medical attention if irritation develops and persists. |
| Ingestion | Call a physician or poison control center immediately. Rinse mouth. 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 drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. |
| 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. |

5. Fire-fighting measures

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| Suitable extinguishing media | Water fog. Foam. Dry chemicals. Carbon dioxide (CO ₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

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| Specific hazards arising from the chemical | Contents under pressure. Pressurized container may rupture when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. 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 | In case of fire: Stop leak if safe to do so. 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. Containers should be cooled with water to prevent vapor pressure build up. Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes. |
| General fire hazards | Extremely flammable aerosol. Contents under pressure. Combustible. Pressurized container may rupture when exposed to heat or flame. |

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. Remove all possible sources of ignition in the surrounding area. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. 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 | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Prevent product from entering drains. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. 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. Use appropriate containment to avoid environmental contamination. |

7. Handling and storage

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|---|--|
| Precautions for safe handling | Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. 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, see the product label. |
| Conditions for safe storage, including any incompatibilities | Level 3 Aerosol. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. These alone may be insufficient to remove static electricity. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. 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/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| methylcyclohexane (CAS 108-87-2) | PEL | 2000 mg/m3 | |
| | | 500 ppm | |
| naphtha (petroleum), hydrotreated light (CAS 64742-49-0) | PEL | 400 mg/m3 | |
| | | 100 ppm | |
| n-heptane (CAS 142-82-5) | PEL | 2000 mg/m3 | |
| | | 500 ppm | |
| propane (CAS 74-98-6) | PEL | 1800 mg/m3 | |
| | | 1000 ppm | |
| white mineral oil (CAS 8042-47-5) | PEL | 5 mg/m3 | Mist. |
| zinc oxide (CAS 1314-13-2) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 5 mg/m3 | Fume. |
| | | 15 mg/m3 | Total dust. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---|-------------|--------------|----------------------|
| 2,3-dimethylpentane (CAS 565-59-3) | STEL | 500 ppm | |
| | TWA | 400 ppm | |
| 2-methylhexane (CAS 591-76-4) | STEL | 500 ppm | |
| | TWA | 400 ppm | |
| 3,3-dimethylpentane (CAS 562-49-2) | STEL | 500 ppm | |
| | TWA | 400 ppm | |
| 3-ethylpentane (CAS 617-78-7) | STEL | 500 ppm | |
| | TWA | 400 ppm | |
| 3-methylhexane (CAS 589-34-4) | STEL | 500 ppm | |
| | TWA | 400 ppm | |
| aluminum hydroxide benzoate stearate (CAS 54326-11-3) | TWA | 1 mg/m3 | Respirable fraction. |
| methylcyclohexane (CAS 108-87-2) | TWA | 400 ppm | |
| n-butane (CAS 106-97-8) | STEL | 1000 ppm | |
| n-heptane (CAS 142-82-5) | STEL | 500 ppm | |
| | TWA | 400 ppm | |
| white mineral oil (CAS 8042-47-5) | TWA | 5 mg/m3 | Inhalable fraction. |
| zinc oxide (CAS 1314-13-2) | STEL | 10 mg/m3 | Respirable fraction. |
| | TWA | 2 mg/m3 | Respirable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|-----------------------------------|-------------|--------------|-------------|
| calcium carbonate (CAS 1317-65-3) | TWA | 5 mg/m3 | Respirable. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|--|-------------|--------------|-------------|
| | | 10 mg/m3 | Total |
| methylcyclohexane (CAS 108-87-2) | TWA | 1600 mg/m3 | |
| | | 400 ppm | |
| naphtha (petroleum), hydrotreated light (CAS 64742-49-0) | TWA | 400 mg/m3 | |
| | | 100 ppm | |
| n-butane (CAS 106-97-8) | TWA | 1900 mg/m3 | |
| | | 800 ppm | |
| n-heptane (CAS 142-82-5) | Ceiling | 1800 mg/m3 | |
| | | 440 ppm | |
| | TWA | 350 mg/m3 | |
| | | 85 ppm | |
| propane (CAS 74-98-6) | TWA | 1800 mg/m3 | |
| | | 1000 ppm | |
| white mineral oil (CAS 8042-47-5) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| zinc oxide (CAS 1314-13-2) | Ceiling | 15 mg/m3 | Dust. |
| | STEL | 10 mg/m3 | Fume. |
| | TWA | 5 mg/m3 | Fume. |
| | | 5 mg/m3 | Dust. |

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. Provide eyewash station.

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.

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

Observe any medical surveillance requirements. 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.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Aerosol.

Color

White.

Odor

Petroleum.

Odor threshold

Not available.

pH

Not available.

| | |
|---|---------------------------------|
| Melting point/freezing point | -195.9 °F (-126.6 °C) estimated |
| Initial boiling point and boiling range | 201.2 °F (94 °C) estimated |
| Flash point | 17.6 °F (-8 °C) estimated |
| Evaporation rate | Moderate. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | 1.1 % estimated |
| Flammability limit - upper (%) | 6.7 % estimated |
| Vapor pressure | 3440 hPa estimated |
| Vapor density | > 1 (air = 1) |
| Relative density | 0.63 estimated |
| Solubility(ies) | |
| Solubility (water) | Slight. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | 473 °F (245 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Percent volatile | 90.7 % estimated |

10. Stability and reactivity

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|---|---|
| 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 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. |
| Incompatible materials | Oxidizing agents. Acids. Oxygen. |
| Hazardous decomposition products | Carbon oxides. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation. |
| 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. |

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|---|--|
| Symptoms related to the physical, chemical and toxicological characteristics | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. |
|---|--|

Information on toxicological effects

| | |
|-----------------------|---|
| Acute toxicity | May be fatal if swallowed and enters airways. |
|-----------------------|---|

| Components | Species | Test Results |
|-------------------------------|---------|--------------------|
| 3-methylhexane (CAS 589-34-4) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Inhalation | | |
| LC50 | Rat | > 20 mg/l, 4 hours |

| Components | Species | Test Results |
|--|---------|---|
| Oral | | |
| LD50 | Rat | > 2000 mg/kg |
| methylcyclohexane (CAS 108-87-2) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Oral | | |
| LD50 | Rat | > 4000 mg/kg |
| naphtha (petroleum), hydrotreated light (CAS 64742-49-0) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Inhalation | | |
| LC50 | Rat | 61 mg/l, 4 Hours |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg |
| n-heptane (CAS 142-82-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 3000 mg/kg |
| Inhalation | | |
| <i>Vapor</i> | | |
| LC50 | Rat | > 73.5 mg/l, 4 hours |
| Oral | | |
| LD50 | Rat | 25000 mg/kg |
| polybutene (CAS 9003-29-6) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rat | > 10250 mg/kg |
| Oral | | |
| LD50 | Rat | > 34600 mg/kg |
| propane (CAS 74-98-6) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 5000 mg/kg |
| white mineral oil (CAS 8042-47-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Inhalation | | |
| LC50 | Rat | > 5 mg/l, 4 hours |
| Chronic | | |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg |
| zinc oxide (CAS 1314-13-2) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Rat | > 1.79 mg/l, 4 hours (no deaths occurred) |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg |

| | |
|---|--|
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. |
| Respiratory or skin sensitization | |
| 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 | Not classifiable as to carcinogenicity to humans. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| white mineral oil (CAS 8042-47-5) | 3 Not classifiable as to carcinogenicity to humans. |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) | |
| Not regulated. | |
| US. National Toxicology Program (NTP) Report on Carcinogens | |
| Not listed. | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | May cause drowsiness and dizziness. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |
| Chronic effects | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

| Components | Species | Test Results |
|----------------------------|--|----------------------|
| zinc oxide (CAS 1314-13-2) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Crustacea | EC50 Water flea (<i>Daphnia magna</i>) | 0.098 mg/l, 48 hours |
| Fish | LC50 Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>) | 1.1 mg/l, 96 hours |

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

| | |
|-------------------|------|
| methylcyclohexane | 3.61 |
| n-butane | 2.89 |
| n-heptane | 4.66 |
| propane | 2.36 |

Bioconcentration factor (BCF)

| | |
|---|------------|
| naphtha (petroleum), hydrotreated light | 10 - 25000 |
| zinc oxide | 60690 |

Mobility in soil No data available.

Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

13. Disposal considerations

Disposal instructions If discarded, this product is considered a RCRA ignitable waste, D001. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. 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 D001: Waste Flammable material with a flash point <140 F

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

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, flammable, Limited Quantity |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | 2.1 |
| Packing group | Not applicable. |
| Environmental hazards | |
| Marine pollutant | Exempt from the regulations. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Special provisions | N82 |
| Packaging exceptions | 306 |
| Packaging non bulk | None |
| Packaging bulk | None |

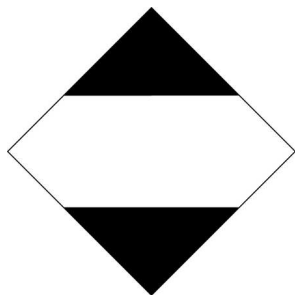
IATA

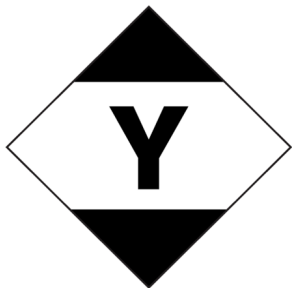
| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, flammable, Limited Quantity |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| ERG Code | 10L |
| Special precautions for user | 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 | UN1950 |
| UN proper shipping name | AEROSOLS, Limited Quantity |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Environmental hazards | |
| Marine pollutant | Exempt from the regulations. |
| EmS | F-D, S-U |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

DOT; IMDG





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.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

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.

Other federal regulations

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)

n-butane (CAS 106-97-8)

propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Classified hazard categories Flammable (gases, aerosols, liquids, or solids)
Gas under pressure
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Specific target organ toxicity (single or repeated exposure)
Aspiration hazard
Hazard not otherwise classified (HNOC)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| zinc oxide | 1314-13-2 | 1 - 3 |

US state regulations

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

2,3-dimethylpentane (CAS 565-59-3)

3-methylhexane (CAS 589-34-4)

calcium carbonate (CAS 1317-65-3)

methylcyclohexane (CAS 108-87-2)
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
n-butane (CAS 106-97-8)
n-heptane (CAS 142-82-5)
propane (CAS 74-98-6)
zinc oxide (CAS 1314-13-2)

US. Massachusetts RTK - Substance List

2,3-dimethylpentane (CAS 565-59-3)
2-methylhexane (CAS 591-76-4)
3-methylhexane (CAS 589-34-4)
calcium carbonate (CAS 1317-65-3)
methylcyclohexane (CAS 108-87-2)
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
n-butane (CAS 106-97-8)
n-heptane (CAS 142-82-5)
propane (CAS 74-98-6)
white mineral oil (CAS 8042-47-5)
zinc oxide (CAS 1314-13-2)

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

2,3-dimethylpentane (CAS 565-59-3)
2-methylhexane (CAS 591-76-4)
3,3-dimethylpentane (CAS 562-49-2)
3-methylhexane (CAS 589-34-4)
calcium carbonate (CAS 1317-65-3)
methylcyclohexane (CAS 108-87-2)
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
n-butane (CAS 106-97-8)
n-heptane (CAS 142-82-5)
propane (CAS 74-98-6)
white mineral oil (CAS 8042-47-5)
zinc oxide (CAS 1314-13-2)

US. Rhode Island RTK

calcium carbonate (CAS 1317-65-3)
methylcyclohexane (CAS 108-87-2)
naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
n-butane (CAS 106-97-8)
n-heptane (CAS 142-82-5)
propane (CAS 74-98-6)
white mineral oil (CAS 8042-47-5)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

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

naphtha (petroleum), hydrotreated light (CAS 64742-49-0)
n-butane (CAS 106-97-8)

Volatile organic compounds (VOC) regulations

EPA

VOC content (40 CFR 51.100(s)) 70 %

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

State

Consumer products Not regulated

VOC content (CA) 70 %

VOC content (OTC) 70 %

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| 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 |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| 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

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|----------------------|--------------|
| Issue date | 02-20-2014 |
| Revision date | 10-10-2018 |
| Prepared by | Allison Yoon |
| Version # | 03 |

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| Revision information | This document has undergone significant changes and should be reviewed in its entirety. |