



SAFETY DATA SHEET

1. Identification

Product identifier Gunk Engine Degreaser - Heavy Duty Gel

Other means of identification

SDS number EBGEL

Part No. EBGEL, EBGEL/6

Tariff code 3814.00.5090

Recommended use Degreaser

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Blaster LLC

Address 8500 Sweet Valley Drive Valley

Telephone View, Ohio 44125 - USA

T(216)901-5800

Website F (216)901-5801

E-mail www.blastercorp.com

Emergency phone number Chemtrec (800) 424-9300

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 2

Health hazards Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Sensitization, skin Category 1

Carcinogenicity Category 2

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated exposure Category 1

Aspiration hazard Category 1

Environmental hazards Hazardous to the aquatic environment, long-term hazard Category 2

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

Precautionary statement**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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 breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

Combustible.

Supplemental information

NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|------------|-----------|
| ISOPARAFFINIC PETROLEUM DISTILLATE | | 64742-47-8 | 70 - < 80 |
| C9-15 Heavy Aromatic Hydrocarbons | | 64742-94-5 | 5 - < 10 |
| Poly(oxyethylene) Sorbitol Hexaoleate | | 57171-56-9 | 3 - < 5 |
| Carbon Dioxide | | 124-38-9 | 1 - < 3 |
| D-(+)-limonene | | 5989-27-5 | 1 - < 3 |
| Tert-butylbenzene | | 98-06-6 | 1 - < 3 |
| Tripropylene Glycol Monomethyl Ether | | 25498-49-1 | 1 - < 3 |
| Water | | 7732-18-5 | 1 - < 3 |
| 1,2,3,4-tetramethylbenzene | | 488-23-3 | < 1 |
| 1,2,3,5-tetramethylbenzene | | 527-53-7 | < 1 |
| 1,4-diethylbenzene | | 105-05-5 | < 1 |
| Naphthalene | | 91-20-3 | < 1 |
| 1,2,3-Trimethylbenzene | | 526-73-8 | < 0.3 |
| 1,2,4-Trimethylbenzene | | 95-63-6 | < 0.3 |
| 3-propyltoluene | | 1074-43-7 | < 0.3 |
| 1h-indene, 2,3-dihydro- | | 496-11-7 | < 0.2 |
| Benzene, 1,3-diethyl- | | 141-93-5 | < 0.2 |
| Diethylbenzene | | 25340-17-4 | < 0.2 |
| Propylene Glycol | | 57-55-6 | < 0.2 |
| Quartz [silica Crystalline] | | 14808-60-7 | < 0.2 |
| Crystalline Silica | | 15468-32-3 | < 0.1 |
| Cumene | | 98-82-8 | < 0.1 |
| Silica - Crystalline, Cristobalite | | 14464-46-1 | < 0.1 |
| Other components below reportable levels | | | < 1 |

*Designates that a 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. Call a poison center or doctor/physician if you feel unwell. |
| 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. Wash contaminated clothing before reuse. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects. |
| 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 | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). 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 | Alcohol resistant foam. 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 | Contents under pressure. Pressurized container may explode when exposed to heat or flame. 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 | 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. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes. |
| General fire hazards | Flammable aerosol. Combustible. |

6. Accidental release measures

| | |
|--|---|
| 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. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. 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 | Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. 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. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. |
| Environmental precautions | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. |

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. 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.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Store locked up. 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. Store in tightly closed container. 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 |
|---|------|------------------------|------------------|
| C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5) | PEL | 400 mg/m3 | |
| Carbon Dioxide (CAS 124-38-9) | PEL | 100 ppm 9000 mg/m3 | |
| Crystalline Silica (CAS 15468-32-3) | PEL | 5000 ppm 0.05 mg/m3 | Respirable dust. |
| Cumene (CAS 98-82-8) | PEL | 245 mg/m3 50 ppm | |
| ISOPARAFFINIC PETROLEUM DISTILLATE (CAS 64742-47-8) | PEL | 400 mg/m3 100 ppm | |
| Naphthalene (CAS 91-20-3) | PEL | 50 mg/m3 10 ppm | |
| Quartz [silica Crystalline] (CAS 14808-60-7) | PEL | 0.05 mg/m3 | Respirable dust. |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | PEL | 0.05 mg/m3 | Respirable dust. |

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

| Components | Type | Value | Form |
|---|------|-------------------------|-------------|
| Crystalline Silica (CAS 15468-32-3) | TWA | 0.05 mg/m3 | Respirable. |
| Quartz [silica Crystalline] (CAS 14808-60-7) | TWA | 1.2 mppcf 0.1 mg/m3 | Respirable. |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | TWA | 2.4 mppcf 0.05 mg/m3 | Respirable. |

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

| Components | Type | Value | Form |
|-------------------|-------------|--------------|-------------|
| | | 1.2 mppcf | Respirable. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---|-------------|-------------------------|----------------------|
| 1,2,3-Trimethylbenzene (CAS 526-73-8) | TWA | 25 ppm | |
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA | 25 ppm | |
| C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5) | TWA | 200 mg/m ³ | Non-aerosol. |
| Carbon Dioxide (CAS 124-38-9) | STEL | 30000 ppm | |
| | TWA | 5000 ppm | |
| Cumene (CAS 98-82-8) | TWA | 50 ppm | |
| Naphthalene (CAS 91-20-3) | TWA | 10 ppm | |
| Quartz [silica Crystalline] (CAS 14808-60-7) | TWA | 0.025 mg/m ³ | Respirable fraction. |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | TWA | 0.025 mg/m ³ | Respirable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|---|-------------|-------------------------|------------------|
| 1,2,3-Trimethylbenzene (CAS 526-73-8) | TWA | 125 mg/m ³ | |
| | | 25 ppm | |
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA | 125 mg/m ³ | |
| | | 25 ppm | |
| Carbon Dioxide (CAS 124-38-9) | STEL | 54000 mg/m ³ | |
| | TWA | 30000 ppm | |
| | | 9000 mg/m ³ | |
| | | 5000 ppm | |
| Crystalline Silica (CAS 15468-32-3) | TWA | 0.05 mg/m ³ | Respirable dust. |
| Cumene (CAS 98-82-8) | TWA | 245 mg/m ³ | |
| | | 50 ppm | |
| Naphthalene (CAS 91-20-3) | STEL | 75 mg/m ³ | |
| | TWA | 15 ppm | |
| | | 50 mg/m ³ | |
| | | 10 ppm | |
| Quartz [silica Crystalline] (CAS 14808-60-7) | TWA | 0.05 mg/m ³ | Respirable dust. |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | TWA | 0.05 mg/m ³ | Respirable dust. |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value | Form |
|---|-------------|--------------|-------------|
| 1,4-diethylbenzene (CAS 105-05-5) | TWA | 5 ppm | |
| Benzene, 1,3-diethyl- (CAS 141-93-5) | TWA | 5 ppm | |

US. Workplace Environmental Exposure Level (WEEL) Guides

| Components | Type | Value | Form |
|--|--|-----------------------------------|----------|
| D-(+)-limonene (CAS 5989-27-5) | TWA | 165.5 mg/m3 | |
| | | 30 ppm | |
| Diethylbenzene (CAS 25340-17-4) | TWA | 5 ppm | |
| Propylene Glycol (CAS 57-55-6) | TWA | 10 mg/m3 | Aerosol. |
| Biological limit values | No biological exposure limits noted for the ingredient(s). | | |
| Exposure guidelines | | | |
| US - California OELs: Skin designation | | | |
| Cumene (CAS 98-82-8) | | Can be absorbed through the skin. | |
| Naphthalene (CAS 91-20-3) | | Can be absorbed through the skin. | |
| US - Minnesota Haz Subs: Skin designation applies | | | |
| Cumene (CAS 98-82-8) | | Skin designation applies. | |
| US - Tennessee OELs: Skin designation | | | |
| Cumene (CAS 98-82-8) | | Can be absorbed through the skin. | |
| US ACGIH Threshold Limit Values: Skin designation | | | |
| C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5) | | Can be absorbed through the skin. | |
| Naphthalene (CAS 91-20-3) | | Can be absorbed through the skin. | |
| US NIOSH Pocket Guide to Chemical Hazards: Skin designation | | | |
| Cumene (CAS 98-82-8) | | Can be absorbed through the skin. | |
| US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) | | | |
| Cumene (CAS 98-82-8) | | Can be absorbed through the skin. | |
| 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 and safety shower. | | |
| Individual protection measures, such as personal protective equipment | | | |
| Eye/face protection | Chemical respirator with organic vapor cartridge and full facepiece. | | |
| Skin protection | | | |
| Hand protection | Wear appropriate chemical resistant gloves. Nitrile gloves are recommended. | | |
| Other | Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. | | |
| Respiratory protection | Chemical respirator with organic vapor cartridge and full facepiece. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded. | | |
| 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. Contaminated work clothing should not be allowed out of the workplace. | | |

9. Physical and chemical properties

| | |
|--|-----------------------------------|
| Appearance | Dark grey liquid slurry |
| Physical state | Liquid. |
| Form | Aerosol. |
| Color | Dark grey |
| Odor | Petroleum |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | 440.6 °F (227 °C) estimated |
| Flash point | 190.0 °F (87.8 °C) Tag Closed Cup |

| | |
|---|----------------------------|
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | 0.7 % estimated |
| Flammability limit - upper (%) | 5 % estimated |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 12.14457 hPa estimated |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Emulsifies |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | 40 cP |
| Viscosity temperature | 77 °F (25 °C) |
| Other information | |
| Density | 7.68 lbs/gal |
| Explosive properties | Not explosive. |
| Flame extension | None |
| Flammability (flash back) | No |
| Flammability class | Combustible IIIA estimated |
| Heat of combustion (NFPA 30B) | 35.4 kJ/g |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | 2.02 % estimated |
| Specific gravity | 0.91 |
| VOC | 9.3 % 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 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

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. May cause an allergic skin reaction. |
| Eye contact | Causes serious eye 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. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity

May be fatal if swallowed and enters airways.

| Components | Species | Test Results |
|---------------------------------------|----------------|---------------------|
| 1,2,3-Trimethylbenzene (CAS 526-73-8) | | |

Acute

Oral

LD50 Rat 8970 mg/kg

1,2,4-Trimethylbenzene (CAS 95-63-6)

Acute

Dermal

LD50 Rabbit > 3160 mg/kg

Oral

LD50 Rat 6 g/kg

C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg, 24 Hours

Inhalation

LC50 Rat < 5.8 mg/l, 4 Hours

Oral

LD50 Rat < 5000 mg/kg
> 25 ml/kg

Cumene (CAS 98-82-8)

Acute

Dermal

LD50 Rabbit > 3160 mg/kg, 24 Hours

Inhalation

Vapor LC50 Mouse 10 mg/l, 7 Hours

Oral

LD50 Rat 2260 mg/kg

D-(+)-limonene (CAS 5989-27-5)

Acute

Dermal

LD50 Rabbit 5 g/kg

Oral

LD50 Mouse 5600 - 6600 mg/kg

Naphthalene (CAS 91-20-3)

Acute

Dermal

LD50 Rabbit > 2 g/kg

Oral

LD50 Rat 490 mg/kg

Propylene Glycol (CAS 57-55-6)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg, 24 Hours

| Components | Species | Test Results |
|---|--|-----------------------|
| Oral | | |
| LD50 | Rat | 22000 mg/kg |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | > 22500 mg/kg |
| Tripropylene Glycol Monomethyl Ether (CAS 25498-49-1) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 15440 mg/kg, 24 Hours |
| Oral | | |
| LD50 | Rat | 3400 mg/kg |
| Skin corrosion/irritation | Causes skin irritation. | |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |
| Respiratory or skin sensitization | | |
| 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 | Suspected of causing cancer. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | | |
| Crystalline Silica (CAS 15468-32-3) | 1 Carcinogenic to humans. | |
| Cumene (CAS 98-82-8) | 2B Possibly carcinogenic to humans. | |
| D-(+)-limonene (CAS 5989-27-5) | 3 Not classifiable as to carcinogenicity to humans. | |
| Naphthalene (CAS 91-20-3) | 2B Possibly carcinogenic to humans. | |
| Quartz [silica Crystalline] (CAS 14808-60-7) | 1 Carcinogenic to humans. | |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | 1 Carcinogenic to humans. | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) | | |
| Crystalline Silica (CAS 15468-32-3) | Cancer | |
| Quartz [silica Crystalline] (CAS 14808-60-7) | Cancer | |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | Cancer | |
| US. National Toxicology Program (NTP) Report on Carcinogens | | |
| Crystalline Silica (CAS 15468-32-3) | Known To Be Human Carcinogen. | |
| Cumene (CAS 98-82-8) | Reasonably Anticipated to be a Human Carcinogen. | |
| Naphthalene (CAS 91-20-3) | Reasonably Anticipated to be a Human Carcinogen. | |
| Quartz [silica Crystalline] (CAS 14808-60-7) | Known To Be Human Carcinogen. | |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | Known To Be Human Carcinogen. | |
| | Reasonably Anticipated to be a Human Carcinogen. | |
| 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 | Causes damage to organs through prolonged or repeated exposure. | |
| Aspiration hazard | May be fatal if swallowed and enters airways. | |
| Chronic effects | Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. | |

12. Ecological information

| Components | Species | Test Results |
|--------------------------------------|---------|---|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 7.19 - 8.28 mg/l, 96 hours |

| Components | Species | Test Results |
|--|--|--|
| 1h-indene, 2,3-dihydro- (CAS 496-11-7) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 14 mg/l, 96 hours |
| Benzene, 1,3-diethyl- (CAS 141-93-5) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 4.05 - 4.25 mg/l, 96 hours |
| C9-15 Heavy Aromatic Hydrocarbons (CAS 64742-94-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 2.7 - 5.1 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>) 8.8 mg/l, 96 hours |
| | | 8.8 mg/l, 96 hours |
| Cumene (CAS 98-82-8) | | |
| Aquatic | | |
| Crustacea | EC50 | Brine shrimp (<i>Artemia sp.</i>) 3.55 - 11.29 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>) 2.7 mg/l, 96 hours |
| D-(+)-limonene (CAS 5989-27-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 69.6 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 0.619 - 0.796 mg/l, 96 hours |
| ISOPARAFFINIC PETROLEUM DISTILLATE (CAS 64742-47-8) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 2.7 - 5.1 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>) 2.9 mg/l, 96 hours |
| Naphthalene (CAS 91-20-3) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia magna</i>) 1.09 - 3.4 mg/l, 48 hours |
| Fish | LC50 | Pink salmon (<i>Oncorhynchus gorbuscha</i>) 1.11 - 1.68 mg/l, 96 hours |
| Propylene Glycol (CAS 57-55-6) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia magna</i>) > 10000 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) 710 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) | | |
| 1,4-diethylbenzene | | 4.45 |
| Benzene, 1,3-diethyl- | | 4.44 |
| Cumene | | 3.66 |
| D-(+)-limonene | | 4.232 |
| Naphthalene | | 3.3 |
| Propylene Glycol | | -0.92 |
| Tert-butylbenzene | | 4.11 |
| 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 | 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 of contents/container in accordance with local/regional/national/international regulations. |
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| 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. Do not re-use empty containers. |

14. Transport information

DOT

| | |
|-------------------------------------|--|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, flammable, (each not exceeding 1 L capacity), Limited Quantity |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Label(s) | 2.1 |
| Packing group | Not available. |
| 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 |

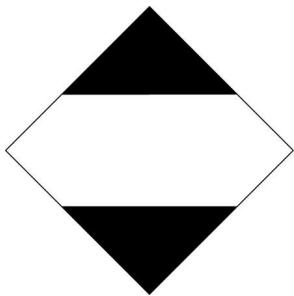
IATA

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, flammable, Limited Quantity |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not available. |
| Environmental hazards | Yes |
| 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. |

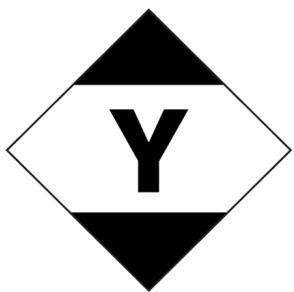
IMDG

| | |
|---|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols, MARINE POLLUTANT (Petroleum Distillates) |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not available. |
| Environmental hazards | |
| Marine pollutant | Yes |
| EmS | F-D, S-U |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Petroleum Distillates | |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not established. |

DOT



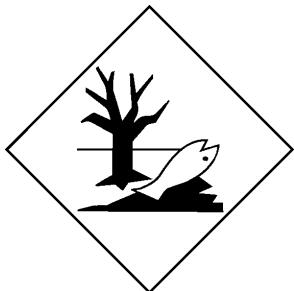
IATA



IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

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.

CERCLA Hazardous Substance List (40 CFR 302.4)

Cumene (CAS 98-82-8)

Listed.

Naphthalene (CAS 91-20-3)

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Crystalline Silica (CAS 15468-32-3)

Cancer

Quartz [silica Crystalline] (CAS 14808-60-7)

Cancer

Silica - Crystalline, Cristobalite (CAS 14464-46-1)

Cancer

Crystalline Silica (CAS 15468-32-3)

lung effects

Quartz [silica Crystalline] (CAS 14808-60-7)

lung effects

| | |
|---|-----------------------|
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | lung effects |
| Crystalline Silica (CAS 15468-32-3) | immune system effects |
| Quartz [silica Crystalline] (CAS 14808-60-7) | immune system effects |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | immune system effects |
| Crystalline Silica (CAS 15468-32-3) | kidney effects |
| Quartz [silica Crystalline] (CAS 14808-60-7) | kidney effects |
| Silica - Crystalline, Cristobalite (CAS 14464-46-1) | kidney effects |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

| | |
|-------------------------------------|--|
| Classified hazard categories | Flammable (gases, aerosols, liquids, or solids) Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization Carcinogenicity Specific target organ toxicity (single or repeated exposure) Aspiration hazard |
|-------------------------------------|--|

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| Naphthalene | 91-20-3 | < 1 |

Other federal regulations

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

Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)

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

Not regulated.

Safe Drinking Water Act (SDWA)

US state regulations

California Proposition 65



WARNING: This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

| | |
|--|-------------------------|
| Crystalline Silica (CAS 15468-32-3) | Listed: October 1, 1988 |
| Cumene (CAS 98-82-8) | Listed: April 6, 2010 |
| Naphthalene (CAS 91-20-3) | Listed: April 19, 2002 |
| Quartz [silica Crystalline] (CAS 14808-60-7) | Listed: October 1, 1988 |

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

1,2,3-Trimethylbenzene (CAS 526-73-8)
1,2,4-Trimethylbenzene (CAS 95-63-6)
Cumene (CAS 98-82-8)
Naphthalene (CAS 91-20-3)
Quartz [silica Crystalline] (CAS 14808-60-7)
Silica - Crystalline, Cristobalite (CAS 14464-46-1)
Tert-butylbenzene (CAS 98-06-6)

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) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |

| Country(s) or region | Inventory name | On inventory (yes/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 |
| 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

| | |
|----------------------|---|
| Issue date | 05-28-2015 |
| Revision date | 02-23-2023 |
| Version # | 11 |
| HMIS® ratings | Health: 3* Flammability: 2 Physical hazard: 0 |
| NFPA ratings | Health: 2 Flammability: 2 Instability: 0 |
| NFPA ratings |  |

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision information

Composition / Information on Ingredients: Component Summary
Physical & Chemical Properties: Multiple Properties