

## 1. Identification

**Product identifier** Gunk Brake Parts Cleaner - Non Chlorinated

**Other means of identification**

**SDS number** M705  
**Part No.** M705  
**Tariff code** 3814.00.5090

**Recommended use** Brake Cleaner

**Recommended restrictions** None known.

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

**Manufacturer**

**Company name** RSC Chemical Solutions  
**Address** 600 Radiator Road  
 Indian Trail, NC 28079  
 United States  
**Telephone** Customer Service: (704) 821-7643  
 Technical: (704) 684-1811  
**Website** www.rscbrands.com  
**E-mail** Not available.  
**Emergency phone number** Emergency Telephone: (303) 623-5716  
 Emergency Contact: RMPDC (877-740-5015)

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1

**Health hazards** Acute toxicity, oral Category 3  
 Acute toxicity, dermal Category 3  
 Skin corrosion/irritation Category 2  
 Serious eye damage/eye irritation Category 2A  
 Reproductive toxicity Category 2  
 Specific target organ toxicity, single exposure Category 1  
 Specific target organ toxicity, single exposure Category 3 narcotic effects  
 Specific target organ toxicity, repeated exposure 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. Toxic if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Very 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. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

### Response

If swallowed: Immediately call a poison center/doctor. 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: Call a poison center/doctor. If exposed or concerned: Get medical advice/attention. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it 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)

None known.

### Supplemental information

65% of the mixture consists of component(s) of unknown acute oral toxicity. 65% of the mixture consists of component(s) of unknown acute dermal toxicity. 40% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 40% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name  | Common name and synonyms | CAS number | %         |
|----------------|--------------------------|------------|-----------|
| Heptane        |                          | 142-82-5   | 50 - < 60 |
| METHANOL       |                          | 67-56-1    | 30 - < 40 |
| Carbon Dioxide |                          | 124-38-9   | 10 - < 20 |
| 2-PROPANONE    |                          | 67-64-1    | 5 - < 10  |

\*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

Take off immediately all contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. 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 without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

### Most important symptoms/effects, acute and delayed

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. Prolonged exposure may cause chronic effects.

### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### General information

Take off immediately all contaminated clothing. 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. Show this safety data sheet to the doctor in attendance.

## 5. Fire-fighting measures

### Suitable extinguishing media

Powder. Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>).

|  |  |
|--|--|
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.   |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk. 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. |
| <b>Specific methods</b>  | 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.   |
| <b>General fire hazards</b>  | Extremely flammable aerosol.   |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | 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.   |
| <b>Methods and materials for containment and cleaning up</b>               | Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.<br><br>Small Spills: 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. |
| <b>Environmental precautions</b>   | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.  |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | 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. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. 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. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Level 2 Aerosol.<br><br>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 away from incompatible materials (see Section 10 of the SDS).  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components                | Type | Value                      |
|---------------------------|------|----------------------------|
| 2-PROPANONE (CAS 67-64-1) | PEL  | 2400 mg/m3<br><br>1000 ppm |

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

| Components                    | Type | Value                           |
|-------------------------------|------|---------------------------------|
| Carbon Dioxide (CAS 124-38-9) | PEL  | 9000 mg/m3                      |
| Heptane (CAS 142-82-5)        | PEL  | 5000 ppm<br>2000 mg/m3          |
| METHANOL (CAS 67-56-1)        | PEL  | 500 ppm<br>260 mg/m3<br>200 ppm |

**US. ACGIH Threshold Limit Values**

| Components                    | Type               | Value                         |
|-------------------------------|--------------------|-------------------------------|
| 2-PROPANONE (CAS 67-64-1)     | STEL               | 750 ppm                       |
| Carbon Dioxide (CAS 124-38-9) | TWA<br>STEL        | 500 ppm<br>30000 ppm          |
| Heptane (CAS 142-82-5)        | TWA<br>STEL        | 5000 ppm<br>500 ppm           |
| METHANOL (CAS 67-56-1)        | TWA<br>STEL<br>TWA | 400 ppm<br>250 ppm<br>200 ppm |

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

| Components                    | Type               | Value  |
|-------------------------------|--------------------|--|
| 2-PROPANONE (CAS 67-64-1)     | TWA                | 590 mg/m3  |
| Carbon Dioxide (CAS 124-38-9) | STEL               | 250 ppm<br>54000 mg/m3   |
| Heptane (CAS 142-82-5)        | TWA<br>Ceiling     | 30000 ppm<br>9000 mg/m3<br>5000 ppm<br>1800 mg/m3                              |
| METHANOL (CAS 67-56-1)        | TWA<br>STEL<br>TWA | 440 ppm<br>350 mg/m3<br>85 ppm<br>325 mg/m3<br>250 ppm<br>260 mg/m3<br>200 ppm |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components                | Value   | Determinant | Specimen | Sampling Time |
|---------------------------|---------|-------------|----------|---------------|
| 2-PROPANONE (CAS 67-64-1) | 50 mg/l | Acetone     | Urine    | *             |
| METHANOL (CAS 67-56-1)    | 15 mg/l | Methanol    | Urine    | *             |

\* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

METHANOL (CAS 67-56-1) Skin designation applies.

**US - Tennessee OELs: Skin designation**

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

METHANOL (CAS 67-56-1) Can be absorbed through the skin.

## US NIOSH Pocket Guide to Chemical Hazards: Skin designation

METHANOL (CAS 67-56-1)

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. Eye wash facilities and emergency shower must be available when handling this product.

### 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. Suitable gloves can be recommended by the glove supplier.

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

**Respiratory protection** Chemical respirator with organic vapor cartridge and full facepiece.

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

**General hygiene considerations** When using do not smoke. Keep away from food and drink. 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** Clear. Liquid.

**Physical state** Liquid.

**Form** Aerosol.

**Color** Colorless

**Odor** Hydrocarbon like

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** -144.04 °F (-97.8 °C) estimated

**Initial boiling point and boiling range** -109.3 °F (-78.5 °C) estimated

**Flash point** -4.0 °F (-20.0 °C) estimated

**Evaporation rate** Not available.

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

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** 2.6 % estimated

**Flammability limit - upper (%)** 36 % estimated

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** 6539.44 hPa estimated

**Vapor density** Not available.

**Relative density** Not available.

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 464 °F (240 °C) estimated

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

**Density** 6.09 lbs/gal estimated

**Explosive properties** Not explosive.

|                                      |                        |
|--------------------------------------|------------------------|
| <b>Flammability class</b>            | Flammable IA estimated |
| <b>Heat of combustion (NFPA 30B)</b> | 29.64 kJ/g estimated   |
| <b>Oxidizing properties</b>          | Not oxidizing.         |
| <b>Percent volatile</b>              | 35 % estimated         |
| <b>Specific gravity</b>              | 0.73 estimated         |
| <b>VOC (Weight %)</b>                | 85 % estimated         |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Acids. Strong oxidizing agents. Aluminum.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | May cause damage to organs by inhalation. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. |
| <b>Skin contact</b> | Toxic in contact with skin. Causes skin irritation.  |
| <b>Eye contact</b>  | Causes serious eye irritation.   |
| <b>Ingestion</b>    | Toxic if swallowed.  |

|   |  |
|---|--|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |
|---|--|

### Information on toxicological effects

|                       |   |
|-----------------------|---|
| <b>Acute toxicity</b> | Toxic in contact with skin. Toxic if swallowed. Narcotic effects. |
|-----------------------|---|

| Components                | Species | Test Results                           |
|---------------------------|---------|--|
| 2-PROPANONE (CAS 67-64-1) |         |  |
| <b>Acute</b>              |         |  |
| <b>Dermal</b>             |         |  |
| LD50                      | Rabbit  | 20000 mg/kg<br>20 ml/kg                |
| <b>Inhalation</b>         |         |  |
| LC50                      | Rat     | 76 mg/l, 4 Hours<br>50.1 mg/l, 8 Hours |
| <b>Oral</b>               |         |  |
| LD50                      | Mouse   | 3000 mg/kg                             |
|                           | Rabbit  | 5340 mg/kg                             |
|                           | Rat     | 5800 mg/kg                             |
| Heptane (CAS 142-82-5)    |         |  |
| <b>Acute</b>              |         |  |
| <b>Inhalation</b>         |         |  |
| LC50                      | Rat     | 103 mg/l, 4 Hours                      |
| LD50                      | Mouse   | 75 mg/l, 2 Hours                       |

| Components             | Species | Test Results                             |
|------------------------|---------|--|
| METHANOL (CAS 67-56-1) |         |  |
| <b>Acute</b>           |         |  |
| <b>Dermal</b>          |         |  |
| LD50                   | Rabbit  | 15800 mg/kg                              |
| <b>Inhalation</b>      |         |  |
| LC50                   | Cat     | 85.41 mg/l, 4.5 Hours                    |
|                        |         | 43.68 mg/l, 6 Hours                      |
|                        | Rat     | 64000 ppm, 4 Hours<br>87.5 mg/l, 6 Hours |
| <b>Oral</b>            |         |  |
| LD50                   | Dog     | 8000 mg/kg                               |
|                        | Monkey  | 2 g/kg                                   |
|                        | Mouse   | 7300 mg/kg                               |
|                        | Rabbit  | 14.4 g/kg                                |
|                        | Rat     | 5628 mg/kg                               |

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

|   |  |
|---|--|
| <b>Skin corrosion/irritation</b>                                      | Causes skin irritation.  |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye irritation.   |
| <b>Respiratory or skin sensitization</b>                              |  |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.  |
| <b>Skin sensitization</b>   | This product is not expected to cause skin sensitization.  |
| <b>Germ cell mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>  | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |  |
| Not listed.   |  |
| <b>Reproductive toxicity</b>  | Suspected of damaging fertility or the unborn child.   |
| <b>Specific target organ toxicity - single exposure</b>               | Causes damage to organs. May cause drowsiness and dizziness.   |
| <b>Specific target organ toxicity - repeated exposure</b>             | Causes damage to organs through prolonged or repeated exposure.  |
| <b>Aspiration hazard</b>  | Not an aspiration hazard.  |
| <b>Chronic effects</b>  | Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.             |

## 12. Ecological information

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

| Components                | Species | Test Results   |
|---------------------------|---------|--|
| 2-PROPANONE (CAS 67-64-1) |         |  |
| <b>Aquatic</b>            |         |  |
| Crustacea                 | EC50    | Water flea (Daphnia magna)                           |
| Fish                      | LC50    | Rainbow trout, donaldson trout (Oncorhynchus mykiss) |
| Heptane (CAS 142-82-5)    |         |  |
| <b>Aquatic</b>            |         |  |
| Fish                      | LC50    | Mozambique tilapia (Tilapia mossambica)              |

| Components             | Species |                                      | Test Results           |
|------------------------|---------|--------------------------------------|------------------------|
| METHANOL (CAS 67-56-1) |         |                                      |                        |
| <b>Aquatic</b>         |         |                                      |                        |
| Crustacea              | EC50    | Water flea (Daphnia magna)           | > 10000 mg/l, 48 hours |
| Fish                   | LC50    | Fathead minnow (Pimephales promelas) | > 100 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**

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

|             |       |
|-------------|-------|
| 2-PROPANONE | -0.24 |
| Heptane     | 4.66  |
| METHANOL    | -0.77 |

**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 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**

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | AEROSOLS  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | ORM-D   |
| <b>Subsidiary risk</b>              | -   |
| <b>Label(s)</b>                     | 2.1   |
| <b>Packing group</b>                | Not applicable.   |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Packaging exceptions</b>         | 306   |
| <b>Packaging non bulk</b>           | 302, 304  |
| <b>Packaging bulk</b>               | 302, 314, 315   |

**IATA**

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN1950  |
| <b>UN proper shipping name</b>      | AEROSOLS  |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 2   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | Not applicable.   |
| <b>Environmental hazards</b>        | Yes   |
| <b>ERG Code</b>                     | 2L  |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |



**Other information**

**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

**IMDG**

**UN number** UN1950  
**UN proper shipping name** AEROSOLS  
**Transport hazard class(es)**  
**Class** 2  
**Subsidiary risk** -  
**Packing group** Not applicable.

**Environmental hazards**  
**Marine pollutant** Yes

**EmS** F-D, S-U

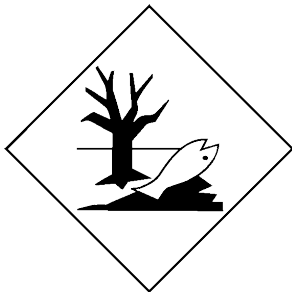
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**IATA; IMDG**



**Marine pollutant**



**General information**

IMDG Regulated Marine Pollutant. DOT 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)**

2-PROPANONE (CAS 67-64-1) Listed.  
Heptane (CAS 142-82-5) Listed.  
METHANOL (CAS 67-56-1) Listed.

**SARA 304 Emergency release notification**

Not regulated.

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

Not listed.

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

**Hazard categories**            Immediate Hazard - Yes  
                                      Delayed Hazard - Yes  
                                      Fire Hazard - Yes  
                                      Pressure Hazard - No  
                                      Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**            No

**SARA 313 (TRI reporting)**

| Chemical name | CAS number | % by wt.  |
|---------------|------------|-----------|
| METHANOL      | 67-56-1    | 30 - < 40 |

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

METHANOL (CAS 67-56-1)

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

Not regulated.

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

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

2-PROPANONE (CAS 67-64-1)            6532

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

2-PROPANONE (CAS 67-64-1)            35 %WV

**DEA Exempt Chemical Mixtures Code Number**

2-PROPANONE (CAS 67-64-1)            6532

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

Not listed.

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

2-PROPANONE (CAS 67-64-1)

METHANOL (CAS 67-56-1)

**US. Massachusetts RTK - Substance List**

2-PROPANONE (CAS 67-64-1)

Carbon Dioxide (CAS 124-38-9)

Heptane (CAS 142-82-5)

METHANOL (CAS 67-56-1)

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

2-PROPANONE (CAS 67-64-1)

Carbon Dioxide (CAS 124-38-9)

Heptane (CAS 142-82-5)

METHANOL (CAS 67-56-1)

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

2-PROPANONE (CAS 67-64-1)

Carbon Dioxide (CAS 124-38-9)

Heptane (CAS 142-82-5)

METHANOL (CAS 67-56-1)

**US. Rhode Island RTK**

2-PROPANONE (CAS 67-64-1)

METHANOL (CAS 67-56-1)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**

METHANOL (CAS 67-56-1)

Listed: March 16, 2012

## 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)   | Yes                    |
| 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) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | 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    | 04-23-2015  |
| Version #     | 01  |
| HMIS® ratings | Health: 4*<br>Flammability: 4<br>Physical hazard: 0 |
| NFPA ratings  | Health: 4<br>Flammability: 4<br>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.