

1. Identification

Product identifier Fuel Injection Air Intake Cleaner

Other means of identification

SDS number M4712EE

Part No. M4712EE

Recommended use Not available.

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 sds@rscbrands.com

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 4 |
| | Acute toxicity, inhalation | Category 4 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Reproductive toxicity | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Specific target organ toxicity, repeated exposure | Category 2 |
| Environmental hazards | Aspiration hazard | Category 1 |
| | Not classified. | |
| OSHA defined hazards | Not classified. | |

Label elements



Signal word Danger

Hazard statement Extremely flammable aerosol. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

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 the 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. Wear protective gloves/protective clothing/eye protection/face protection.

| | |
|--|--|
| Response | If swallowed: Immediately call a poison center/doctor. Rinse mouth. 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 occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| 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 | 14% of the mixture consists of component(s) of unknown acute oral toxicity. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---|--------------------------|------------|----|
| 2-PROPANONE | | 67-64-1 | 56 |
| BENZENE, METHYL- | | 108-88-3 | 14 |
| BENZENE, DIMETHYL | | 1330-20-7 | 13 |
| Propane | | 74-98-6 | 13 |
| METHANOL | | 67-56-1 | 3 |
| Distillates (petroleum), Hydrotreated Heavy Naphthenic | | 64742-52-5 | 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. Oxygen or artificial respiration if needed. 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 | 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. 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 | 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 | Alcohol resistant foam. Powder. Carbon dioxide (CO ₂). |
| 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. 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 Extremely flammable aerosol.

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. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

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.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

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. Do not breathe mist or vapor. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. 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 outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Level 2 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 a well-ventilated place. Keep out of the reach of children. 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 | Form |
|---|------|------------------------------------|-------|
| 2-PROPANONE (CAS 67-64-1) | PEL | 2400 mg/m3 | |
| BENZENE, DIMETHYL (CAS 1330-20-7) | PEL | 1000 ppm 435 mg/m3 | |
| Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5) | PEL | 100 ppm 5 mg/m3 | Mist. |
| METHANOL (CAS 67-56-1) | PEL | 2000 mg/m3 500 ppm 260 mg/m3 | |
| Propane (CAS 74-98-6) | PEL | 200 ppm 1800 mg/m3 1000 ppm | |

US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components | Type | Value |
|---------------------------------|---------|---------|
| BENZENE, METHYL- (CAS 108-88-3) | Ceiling | 300 ppm |

US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components | Type | Value |
|------------|------|---------|
| | TWA | 200 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---|------|---------|---------------------|
| 2-PROPANONE (CAS 67-64-1) | STEL | 500 ppm | |
| | TWA | 250 ppm | |
| BENZENE, DIMETHYL (CAS 1330-20-7) | STEL | 150 ppm | |
| | TWA | 100 ppm | |
| BENZENE, METHYL- (CAS 108-88-3) | TWA | 20 ppm | |
| Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |
| METHANOL (CAS 67-56-1) | STEL | 250 ppm | |
| | TWA | 200 ppm | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|---|---------|------------|-------|
| 2-PROPANONE (CAS 67-64-1) | TWA | 590 mg/m3 | |
| | | 250 ppm | |
| BENZENE, METHYL- (CAS 108-88-3) | STEL | 560 mg/m3 | |
| | TWA | 150 ppm | |
| | | 375 mg/m3 | |
| | | 100 ppm | |
| Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5) | Ceiling | 1800 mg/m3 | |
| | STEL | 10 mg/m3 | Mist. |
| METHANOL (CAS 67-56-1) | STEL | 325 mg/m3 | |
| | | 250 ppm | |
| | TWA | 260 mg/m3 | |
| | | 200 ppm | |
| Propane (CAS 74-98-6) | TWA | 1800 mg/m3 | |
| | | 1000 ppm | |

Biological limit values

ACGIH Biological Exposure Indices

| Components | Value | Determinant | Specimen | Sampling Time |
|-----------------------------------|-----------|---------------------------|---------------------|---------------|
| 2-PROPANONE (CAS 67-64-1) | 25 mg/l | Acetone | Urine | * |
| BENZENE, DIMETHYL (CAS 1330-20-7) | 1.5 g/g | Methylhippuric acids | Creatinine in urine | * |
| BENZENE, METHYL- (CAS 108-88-3) | 0.3 mg/g | o-Cresol, with hydrolysis | Creatinine in urine | * |
| | 0.03 mg/l | Toluene | Urine | * |
| | 0.02 mg/l | Toluene | Blood | * |
| 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

| | |
|---------------------------------|-----------------------------------|
| BENZENE, METHYL- (CAS 108-88-3) | Can be absorbed through the skin. |
| METHANOL (CAS 67-56-1) | Can be absorbed through the skin. |

US - Minnesota Haz Subs: Skin designation applies

BENZENE, METHYL- (CAS 108-88-3)
 METHANOL (CAS 67-56-1)

Skin designation applies.
 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**

Wear safety glasses with side shields, goggles or 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. 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. 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

water-white

Odor

Solvent odor

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

-305.68 °F (-187.6 °C) estimated

Initial boiling point and boiling range

-43.78 °F (-42.1 °C) estimated

Flash point

19.4 °F (-7.0 °C) Tag Closed Cup

Evaporation rate

Not available.

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits**Flammability limit - lower (%)**

1.3 % estimated

Flammability limit - upper (%)

12.8 % estimated

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

1478.25 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 | 842 °F (450 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |

Other information

| | |
|--------------------------------------|------------------------|
| Density | 6.55 lbs/gal estimated |
| Explosive properties | Not explosive. |
| Flammability class | Flammable IA estimated |
| Heat of combustion (NFPA 30B) | 29.66 kJ/g estimated |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | 86 % estimated |
| Specific gravity | 0.78 estimated |
| VOC | 86 % 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 | Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong acids. Acids. Strong oxidizing agents. Halogens. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---|--|
| Inhalation | Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. |
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Harmful if swallowed. 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. |

Information on toxicological effects

| | |
|-----------------------|---|
| Acute toxicity | May be fatal if swallowed and enters airways. Harmful if inhaled. Narcotic effects. |
|-----------------------|---|

| Components | Species | Test Results |
|---------------------------|----------------|--|
| 2-PROPANONE (CAS 67-64-1) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 20000 mg/kg 20 ml/kg |
| Inhalation | | |
| LC50 | Rat | 76 mg/l, 4 Hours 50.1 mg/l, 8 Hours |
| Oral | | |
| LD50 | Mouse | 3000 mg/kg |
| | Rabbit | 5340 mg/kg |
| | Rat | 5800 mg/kg |

| Components | Species | Test Results |
|-----------------------------------|---------|---|
| BENZENE, DIMETHYL (CAS 1330-20-7) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 43 g/kg |
| Inhalation | | |
| LC50 | Mouse | 3907 mg/l, 6 Hours |
| | Rat | 6350 mg/l, 4 Hours |
| Oral | | |
| LD50 | Mouse | 1590 mg/kg |
| | Rat | 3523 - 8600 mg/kg |
| BENZENE, METHYL- (CAS 108-88-3) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 12124 mg/kg 14.1 ml/kg |
| Inhalation | | |
| LC50 | Mouse | 5320 ppm, 8 Hours 400 ppm, 24 Hours |
| | Rat | 26700 ppm, 1 Hours 12200 ppm, 2 Hours 8000 ppm, 4 Hours |
| Oral | | |
| LD50 | Rat | 2.6 g/kg |
| METHANOL (CAS 67-56-1) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 15800 mg/kg |
| Inhalation | | |
| LC50 | Cat | 85.41 mg/l, 4.5 Hours 43.68 mg/l, 6 Hours |
| | Rat | 64000 ppm, 4 Hours 87.5 mg/l, 6 Hours |
| Oral | | |
| LD50 | Dog | 8000 mg/kg |
| | Monkey | 2 g/kg |
| | Mouse | 7300 mg/kg |
| | Rabbit | 14.4 g/kg |
| | Rat | 5628 mg/kg |
| Propane (CAS 74-98-6) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Rat | > 1442.847 mg/l, 15 Minutes |

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

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 | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| BENZENE, DIMETHYL (CAS 1330-20-7) | 3 Not classifiable as to carcinogenicity to humans. |
| BENZENE, METHYL- (CAS 108-88-3) | 3 Not classifiable as to carcinogenicity to humans. |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| Not regulated. | |
| US. National Toxicology Program (NTP) Report on Carcinogens | |
| Not listed. | |
| Reproductive toxicity | Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging fertility or the unborn child. |
| Specific target organ toxicity - single exposure | May cause drowsiness and dizziness. |
| Specific target organ toxicity - repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |
| Chronic effects | May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. |

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components | Species | Test Results |
|-----------------------------------|---------|--|
| 2-PROPANONE (CAS 67-64-1) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 10294 - 17704 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) 4740 - 6330 mg/l, 96 hours |
| BENZENE, DIMETHYL (CAS 1330-20-7) | | |
| Aquatic | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/l, 96 hours |
| BENZENE, METHYL- (CAS 108-88-3) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours |
| Fish | LC50 | Coho salmon,silver salmon (Oncorhynchus kisutch) 8.11 mg/l, 96 hours |
| METHANOL (CAS 67-56-1) | | |
| Aquatic | | |
| 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 |
| BENZENE, DIMETHYL | 3.12 - 3.2 |
| BENZENE, METHYL- | 2.73 |
| METHANOL | -0.77 |
| Propane | 2.36 |

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. 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 | Not available. |
| UN proper shipping name | Consumer Commodity |
| Transport hazard class(es) | |
| Class | ORM-D |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

IATA

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosol, Flammable |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Environmental hazards | No. |
| ERG Code | 9L |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| Other information | |
| Passenger and cargo aircraft | Allowed with restrictions. |
| Cargo aircraft only | Allowed with restrictions. |

IMDG

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Environmental hazards | |
| Marine pollutant | No. |
| 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.



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. |
| BENZENE, DIMETHYL (CAS 1330-20-7) | Listed. |
| BENZENE, METHYL- (CAS 108-88-3) | Listed. |
| METHANOL (CAS 67-56-1) | Listed. |
| Propane (CAS 74-98-6) | Listed. |

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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. |
|-------------------|------------|----------|
| BENZENE, METHYL- | 108-88-3 | 14 |
| BENZENE, DIMETHYL | 1330-20-7 | 13 |
| METHANOL | 67-56-1 | 3 |

Other federal regulations

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

BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 METHANOL (CAS 67-56-1)

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

Propane (CAS 74-98-6)

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 |
| BENZENE, METHYL- (CAS 108-88-3) | 6594 |

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

| | |
|---------------------------------|--------|
| 2-PROPANONE (CAS 67-64-1) | 35 %WV |
| BENZENE, METHYL- (CAS 108-88-3) | 35 %WV |

DEA Exempt Chemical Mixtures Code Number

2-PROPANONE (CAS 67-64-1) 6532
 BENZENE, METHYL- (CAS 108-88-3) 594

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

2-PROPANONE (CAS 67-64-1) Low priority

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)
 BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)
 METHANOL (CAS 67-56-1)

US. Massachusetts RTK - Substance List

2-PROPANONE (CAS 67-64-1)
 BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)
 METHANOL (CAS 67-56-1)
 Propane (CAS 74-98-6)

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

2-PROPANONE (CAS 67-64-1)
 BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 METHANOL (CAS 67-56-1)
 Propane (CAS 74-98-6)

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

2-PROPANONE (CAS 67-64-1)
 BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 METHANOL (CAS 67-56-1)
 Propane (CAS 74-98-6)

US. Rhode Island RTK

2-PROPANONE (CAS 67-64-1)
 BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 METHANOL (CAS 67-56-1)
 Propane (CAS 74-98-6)

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

BENZENE, METHYL- (CAS 108-88-3) Listed: January 1, 1991
 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 |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| 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 06-29-2016
Version # 01
HMIS® ratings Health: 3*
Flammability: 4
Physical hazard: 0

NFPA ratings Health: 2
Flammability: 4
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.