QUEST INDUSTRIAL PRODUCTS

# SAFETY DATA SHEET

SDS NUMBER - MA22G

## 1. Identification

**Product identifier** MAX AEROSOL CHALK RED

**Other means of identification**

**Product Code** AMAXRC1, AMAXRC12

**Recommended use** Not available.

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

MANUFACTURED FOR:
PIONEER ATHLETICS
4529 INDUSTRIAL PKWY
CLEVELAND, OH 44135
PHONE NUMBER: 800-877-1500

**FOR CHEMICAL EMERGENCY**
**Call INFOTRAC**
**1-800-535-5053**
**24 hours per day, 7 days per week**

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable aerosols | Category 1 |
| | Gases under pressure | Liquefied gas |
| **Health hazards** | Serious eye damage/eye irritation | Category 2A |
| | Carcinogenicity | Category 2 |
| | Reproductive toxicity | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| **Environmental hazards** | Hazardous to the aquatic environment, acute hazard | Category 3 |
| | Hazardous to the aquatic environment, long-term hazard | Category 3 |
| **OSHA defined hazards** | Not classified. | |

**Label elements**

**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful 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. Avoid breathing mist or vapor. Wash thoroughly after handling. 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 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 eye irritation persists: Get medical advice/attention.

| | |
|---|---|
| **Storage** | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. 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** | 59.72% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 59.72% 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 | % |
|---|---|---|---|
| CALCIUM CARBONATE | | 1317-65-3 | 30 - < 40 |
| ACETONE | | 67-64-1 | 20 - < 30 |
| ETHYL ALCOHOL | | 64-17-5 | 10 - < 20 |
| PROPANE | | 74-98-6 | 10 - < 20 |
| N-BUTANE | | 106-97-8 | 5 - < 10 |
| ISOPROPANOL | | 67-63-0 | 1 - < 3 |
| METHANOL | | 67-56-1 | < 1 |
| 4-Methyl-2-pentanone | | 108-10-1 | < 0.3 |
| HEPTANE | | 142-82-5 | < 0.3 |
| Other components below reportable levels | | | 1 - < 3 |

*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** | No adverse effects due to skin contact are expected. Wash off with soap and water. Get medical attention if irritation develops and persists. |
| **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. If eye irritation persists: Get medical advice/attention. No specific first aid measures noted. |
| **Ingestion** | Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth. |
| **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. Coughing. |
| **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. Show this safety data sheet to the doctor in attendance. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Alcohol resistant foam. Water fog. Dry chemical powder. 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** | In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. 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. Contents under pressure. Pressurized container may explode when exposed to heat or flame. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. 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. |
| **Environmental precautions** | 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

| | |
|---|---|
| **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 breathing mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. 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. Avoid release to the environment. Observe good industrial hygiene practices. |
| **Conditions for safe storage, including any incompatibilities** | Level 1 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. Secure cylinders in an upright position at all times, close all valves when not in use. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). |

## 8. Exposure controls/personal protection

**Occupational exposure limits**

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

| Components | Type | Value | Form |
|---|---|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | PEL | 410 mg/m3<br><br>100 ppm | |
| ACETONE (CAS 67-64-1) | PEL | 2400 mg/m3<br>1000 ppm | |
| CALCIUM CARBONATE (CAS 1317-65-3) | PEL | 5 mg/m3<br><br>15 mg/m3 | Respirable fraction.<br><br>Total dust. |

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

| Components | Type | Value | Form |
|---|---|---|---|
| ETHYL ALCOHOL (CAS 64-17-5) | PEL | 1900 mg/m3 | |
| HEPTANE (CAS 142-82-5) | PEL | 1000 ppm<br>2000 mg/m3 | |
| ISOPROPANOL (CAS 67-63-0) | PEL | 500 ppm<br>980 mg/m3 | |
| METHANOL (CAS 67-56-1) | PEL | 400 ppm<br>260 mg/m3 | |
| PROPANE (CAS 74-98-6) | PEL | 200 ppm<br>1800 mg/m3<br>1000 ppm | |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value |
|---|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | STEL | 75 ppm |
| ACETONE (CAS 67-64-1) | TWA<br>STEL | 20 ppm<br>750 ppm |
| ETHYL ALCOHOL (CAS 64-17-5) | TWA<br>STEL | 500 ppm<br>1000 ppm |
| HEPTANE (CAS 142-82-5) | STEL | 500 ppm |
| ISOPROPANOL (CAS 67-63-0) | TWA<br>STEL | 400 ppm<br>400 ppm |
| METHANOL (CAS 67-56-1) | TWA<br>STEL | 200 ppm<br>250 ppm |
| N-BUTANE (CAS 106-97-8) | TWA<br>STEL | 200 ppm<br>1000 ppm |

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

| Components | Type | Value | Form |
|---|---|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | STEL | 300 mg/m3 | |
| ACETONE (CAS 67-64-1) | TWA | 75 ppm<br>205 mg/m3 | |
| CALCIUM CARBONATE (CAS 1317-65-3) | TWA | 50 ppm<br>590 mg/m3<br>250 ppm<br>5 mg/m3 | Respirable. |
| ETHYL ALCOHOL (CAS 64-17-5) | TWA | 10 mg/m3<br>1900 mg/m3 | Total |
| HEPTANE (CAS 142-82-5) | Ceiling | 1000 ppm<br>1800 mg/m3 | |
| ISOPROPANOL (CAS 67-63-0) | TWA<br>STEL | 440 ppm<br>350 mg/m3<br>85 ppm<br>1225 mg/m3 | |
| METHANOL (CAS 67-56-1) | TWA<br>STEL | 500 ppm<br>980 mg/m3<br>400 ppm<br>325 mg/m3<br>250 ppm | |

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

| Components | Type | Value | Form |
|---|---|---|---|
| | TWA | 260 mg/m3<br>200 ppm | |
| N-BUTANE (CAS 106-97-8) | TWA | 1900 mg/m3<br>800 ppm | |
| PROPANE (CAS 74-98-6) | TWA | 1800 mg/m3<br>1000 ppm | |

**Biological limit values**

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | 1 mg/l | Methyl isobutyl ketone | Urine | * |
| ACETONE (CAS 67-64-1) | 50 mg/l | Acetone | Urine | * |
| ISOPROPANOL (CAS 67-63-0) | 40 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. Provide eyewash station.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** For prolonged or repeated skin contact use suitable protective gloves.

**Other** Wear suitable protective clothing.

**Respiratory protection** If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

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

**General hygiene considerations** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Aerosol. Liquefied gas.

**Color** Not available.

**Odor** Not available.

**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** | -156.0 °F (-104.4 °C) estimated |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | 1.9 % estimated |
| **Flammability limit - upper (%)** | 8.5 % estimated |
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | 2392.69 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** | 550 °F (287.78 °C) estimated |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Density** | 8.08 lbs/gal |
| **Flammability class** | Flammable IA estimated |
| **Heat of combustion (NFPA 30B)** | 19.1 kJ/g estimated |
| **Percent volatile** | 60.79 |
| **Specific gravity** | 0.97 |
| **VOC** | 514.72 g/l Regulatory<br>3.13 lbs/gal Material<br>4.3 lbs/gal Regulatory<br>375.59 g/l Material |

## 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** | Hazardous polymerization does not occur. |
| **Conditions to avoid** | Heat. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| **Incompatible materials** | Acids. Strong oxidizing agents. Nitrates. Fluorine. Chlorine. |
| **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** | No adverse effects due to skin contact are expected. |
| **Eye contact** | Causes serious eye irritation. |
| **Ingestion** | Expected to be a low ingestion hazard. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Headache. May cause drowsiness and dizziness. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. |

**Information on toxicological effects**

**Acute toxicity** Narcotic effects.

| Components | Species | Test Results |
|---|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | > 16000 mg/kg |
| *Inhalation* | | |
| LC50 | Rat | 8.2 mg/l, 4 Hours |
| *Oral* | | |
| LD50 | Rat | 2080 mg/kg |
| ACETONE (CAS 67-64-1) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | > 15800 mg/kg |
| *Inhalation* | | |
| LC50 | Rat | 76 mg/l, 4 Hours |
| *Oral* | | |
| LD50 | Mouse | 3000 mg/kg |
| | Rat | 5800 mg/kg |
| ETHYL ALCOHOL (CAS 64-17-5) | | |
| **Acute** | | |
| *Inhalation* | | |
| LC50 | Mouse | 39 mg/l, 4 Hours |
| | Rat | 20000 ppm, 10 Hours |
| *Oral* | | |
| LD50 | Guinea pig | 5.6 g/kg |
| | Mouse | 3450 mg/kg |
| | Rat | 6.2 g/kg |
| HEPTANE (CAS 142-82-5) | | |
| **Acute** | | |
| *Inhalation* | | |
| LC50 | Rat | 103 mg/l, 4 Hours |
| LD50 | Mouse | 75 mg/l, 2 Hours |
| ISOPROPANOL (CAS 67-63-0) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | 12800 mg/kg |
| *Oral* | | |
| LD50 | Mouse | 3600 mg/kg |
| | Rabbit | 5.03 g/kg |
| | Rat | 4.7 g/kg |
| METHANOL (CAS 67-56-1) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | 15800 mg/kg |
| *Inhalation* | | |
| LC50 | Rat | 64000 ppm, 4 Hours |
| | | 87.5 mg/l, 6 Hours |

| Components | Species | Test Results |
|---|---|---|
| *Oral* | | |
| LD50 | Monkey | 2 g/kg |
| | Mouse | 7300 mg/kg |
| | Rabbit | 14.4 g/kg |
| | Rat | 5628 mg/kg |
| N-BUTANE (CAS 106-97-8) | | |
| **Acute** | | |
| *Inhalation* | | |
| LC50 | Mouse | 680 mg/l, 2 Hours |
| | Rat | 658 mg/l, 4 Hours |
| 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** Prolonged skin contact may cause temporary 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** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

4-Methyl-2-pentanone (CAS 108-10-1) 2B Possibly carcinogenic to humans.

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

Not listed.

**Reproductive toxicity** 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** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---|---|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 492 - 593 mg/l, 96 hours |
| ACETONE (CAS 67-64-1) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 21.6 - 23.9 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/l, 96 hours |
| ETHYL ALCOHOL (CAS 64-17-5) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 7.7 - 11.2 mg/l, 48 hours |

| Components | | Species | Test Results |
|---|---|---|---|
| Fish | LC50 | Fathead minnow (Pimephales promelas) | > 100 mg/l, 96 hours |
| HEPTANE (CAS 142-82-5) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Mozambique tilapia (Tilapia mossambica) | 375 mg/l, 96 hours |
| ISOPROPANOL (CAS 67-63-0) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | > 1400 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)** | |
|---|---|
| 4-Methyl-2-pentanone | 1.31 |
| ACETONE | -0.24 |
| ETHYL ALCOHOL | -0.31 |
| HEPTANE | 4.66 |
| ISOPROPANOL | 0.05 |
| METHANOL | -0.77 |
| N-BUTANE | 2.89 |
| 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. 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** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

## 14. Transport information

**DOT**

**UN number** UN1950

**UN proper shipping name** Aerosols, flammable, 2.1

**Transport hazard class(es)**

**Class** Not available.

**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** Aerosols, flammable, 2.1

**Transport hazard class(es)**

| | |
|---|---|
| **Class** | Not available. |
| **Subsidiary risk** | - |
| **Packing group** | Not applicable. |
| **Environmental hazards** | No. |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Other information** | |
| **Passenger and cargo aircraft** | Forbidden. |
| **Cargo aircraft only** | Forbidden. |

**IMDG**

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

| | |
|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | Listed. |
| ACETONE (CAS 67-64-1) | Listed. |
| ETHYL ALCOHOL (CAS 64-17-5) | Listed. |
| HEPTANE (CAS 142-82-5) | Listed. |
| ISOPROPANOL (CAS 67-63-0) | Listed. |
| METHANOL (CAS 67-56-1) | Listed. |
| N-BUTANE (CAS 106-97-8) | Listed. |
| PROPANE (CAS 74-98-6) | 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 - Yes
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. |
|---|---|---|
| ISOPROPANOL | 67-63-0 | 1 - < 3 |
| METHANOL | 67-56-1 | < 1 |

**Other federal regulations**

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

4-Methyl-2-pentanone (CAS 108-10-1)
METHANOL (CAS 67-56-1)

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

N-BUTANE (CAS 106-97-8)
PROPANE (CAS 74-98-6)

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

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

| | |
|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | 6715 |
| ACETONE (CAS 67-64-1) | 6532 |

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

| | |
|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | 35 %WV |
| ACETONE (CAS 67-64-1) | 35 %WV |

**DEA Exempt Chemical Mixtures Code Number**

| | |
|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | 6715 |
| ACETONE (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. Massachusetts RTK - Substance List**

4-Methyl-2-pentanone (CAS 108-10-1)
ACETONE (CAS 67-64-1)
CALCIUM CARBONATE (CAS 1317-65-3)
ETHYL ALCOHOL (CAS 64-17-5)
HEPTANE (CAS 142-82-5)
ISOPROPANOL (CAS 67-63-0)
METHANOL (CAS 67-56-1)
N-BUTANE (CAS 106-97-8)
PROPANE (CAS 74-98-6)

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

4-Methyl-2-pentanone (CAS 108-10-1)
ACETONE (CAS 67-64-1)
CALCIUM CARBONATE (CAS 1317-65-3)
ETHYL ALCOHOL (CAS 64-17-5)
HEPTANE (CAS 142-82-5)
ISOPROPANOL (CAS 67-63-0)
METHANOL (CAS 67-56-1)
N-BUTANE (CAS 106-97-8)
PROPANE (CAS 74-98-6)

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

4-Methyl-2-pentanone (CAS 108-10-1)
ACETONE (CAS 67-64-1)
CALCIUM CARBONATE (CAS 1317-65-3)
ETHYL ALCOHOL (CAS 64-17-5)
HEPTANE (CAS 142-82-5)
ISOPROPANOL (CAS 67-63-0)
METHANOL (CAS 67-56-1)
N-BUTANE (CAS 106-97-8)
PROPANE (CAS 74-98-6)

**US. Rhode Island RTK**

4-Methyl-2-pentanone (CAS 108-10-1)
ACETONE (CAS 67-64-1)
ISOPROPANOL (CAS 67-63-0)
METHANOL (CAS 67-56-1)
N-BUTANE (CAS 106-97-8)
PROPANE (CAS 74-98-6)

**US. California Proposition 65**

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

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

| | |
|---|---|
| 4-Methyl-2-pentanone (CAS 108-10-1) | Listed: November 4, 2011 |
| ETHYL ALCOHOL (CAS 64-17-5) | Listed: April 29, 2011 |
| | Listed: July 1, 1988 |
| SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7) | Listed: October 1, 1988 |
| SILICA, CRYSTALLINE-CRISTOBALITE (CAS 14464-46-1) | Listed: October 1, 1988 |

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

| | |
|---|---|
| ETHYL ALCOHOL (CAS 64-17-5) | Listed: October 1, 1987 |
| 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) | 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 |
| 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 |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

| | |
|---|---|
| **Issue date** | 02-18-2015 |
| **Revision date** | 02-19-2015 |
| **Version #** | 02 |
| **HMIS® ratings** | Health: 2*<br>Flammability: 4<br>Physical hazard: 3 |
| **NFPA ratings** | Health: 2<br>Flammability: 4<br>Instability: 3 |
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| **Revision Information** | GHS: Classification |