



SAFETY DATA SHEET

1. Identification

| | | | |
|---|---|----------------|--|
| Product identifier | SUBMARINE 30220US | | |
| Other means of identification | | | |
| Product Code | 07844 101809 604 | | |
| Recommended use | Not available. | | |
| Manufacturer/Importer/Supplier/Distributor information | | | |
| Manufacturer | | | |
| Company name | Quest Industrial Products, LLC. | | |
| Address | N92 W14701 Anthony Avenue Menomonee Falls, WI 53051 United States | | |
| Telephone | Phone | (262) 255-9500 | |
| Website | quest-ip.com | | |
| E-mail | info@quest-ip.com | | |
| Emergency phone number | Chemtrec Phone | 800-424-9300 | |

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 (the unborn child) | Category 2 |
| | 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 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 the unborn child. Causes damage to organs through prolonged or repeated exposure. 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. 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 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.

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| | |
|--|---|
| 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 | 57.95% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 57.87% 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 | % |
|--|--------------------------|-------------|-----------|
| ACETONE | | 67-64-1 | 20 to <30 |
| PROPANE | | 74-98-6 | 10 to <20 |
| ETHYL ACETATE | | 141-78-6 | 5 to <10 |
| METHYL ETHYL KETONE | | 78-93-3 | 5 to <10 |
| N-BUTANE | | 106-97-8 | 5 to <10 |
| PROPYLENE GLYCOL METHYL ETHER ACETATE | | 108-65-6 | 5 to <10 |
| TOLUENE | | 108-88-3 | 5 to <10 |
| AMORPHOUS PRECIPITATED SILICA | | 112926-00-8 | 1 to <5 |
| N-BUTYL ACETATE | | 123-86-4 | 1 to <5 |
| XYLENE | | 1330-20-7 | 1 to <5 |
| ETHYLBENZENE | | 100-41-4 | 0.1 to <1 |
| TITANIUM DIOXIDE | | 13463-67-7 | 0.1 to <1 |
| Other components below reportable levels | | | 10 to <20 |

*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. Prolonged exposure may cause chronic effects. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. 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. |

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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. Do not breathe 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.

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. Do not breathe mist or vapor. Avoid contact with eyes. 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 in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Level 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. 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 |
|------------------------------|------|------------------------|------|
| ACETONE (CAS 67-64-1) | PEL | 2400 mg/m3 1000 ppm | |
| ETHYL ACETATE (CAS 141-78-6) | PEL | 1400 mg/m3 400 ppm | |

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

| Components | Type | Value | Form |
|-----------------------------------|------|-----------------------|-------------|
| ETHYLBENZENE (CAS 100-41-4) | PEL | 435 mg/m3 | |
| METHYL ETHYL KETONE (CAS 78-93-3) | PEL | 100 ppm 590 mg/m3 | |
| N-BUTYL ACETATE (CAS 123-86-4) | PEL | 200 ppm 710 mg/m3 | |
| PROPANE (CAS 74-98-6) | PEL | 150 ppm 1800 mg/m3 | |
| TITANIUM DIOXIDE (CAS 13463-67-7) | PEL | 1000 ppm 15 mg/m3 | Total dust. |
| XYLENE (CAS 1330-20-7) | PEL | 435 mg/m3 100 ppm | |

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

| Components | Type | Value |
|------------------------|----------------|--------------------|
| TOLUENE (CAS 108-88-3) | Ceiling TWA | 300 ppm 200 ppm |

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

| Components | Type | Value |
|---|------|-----------------------|
| AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8) | TWA | 0.8 mg/m3 20 mppcf |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-----------------------------------|-------------|--------------------|
| ACETONE (CAS 67-64-1) | STEL TWA | 750 ppm 500 ppm |
| ETHYL ACETATE (CAS 141-78-6) | TWA | 400 ppm |
| ETHYLBENZENE (CAS 100-41-4) | TWA | 20 ppm |
| METHYL ETHYL KETONE (CAS 78-93-3) | STEL TWA | 300 ppm 200 ppm |
| N-BUTANE (CAS 106-97-8) | STEL | 1000 ppm |
| N-BUTYL ACETATE (CAS 123-86-4) | STEL TWA | 200 ppm 150 ppm |
| TITANIUM DIOXIDE (CAS 13463-67-7) | TWA | 10 mg/m3 |
| TOLUENE (CAS 108-88-3) | TWA | 20 ppm |
| XYLENE (CAS 1330-20-7) | STEL TWA | 150 ppm 100 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|---|------|-----------------------|
| ACETONE (CAS 67-64-1) | TWA | 590 mg/m3 250 ppm |
| AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8) | TWA | 6 mg/m3 |
| ETHYL ACETATE (CAS 141-78-6) | TWA | 1400 mg/m3 400 ppm |

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US. NIOSH: Pocket Guide to Chemical Hazards Components

| Components | Type | Value |
|-----------------------------------|------|---------------------------------|
| ETHYLBENZENE (CAS 100-41-4) | STEL | 545 mg/m3 |
| | TWA | 125 ppm 435 mg/m3 |
| METHYL ETHYL KETONE (CAS 78-93-3) | STEL | 100 ppm 885 mg/m3 |
| | TWA | 300 ppm 590 mg/m3 |
| N-BUTANE (CAS 106-97-8) | TWA | 200 ppm 1900 mg/m3 |
| N-BUTYL ACETATE (CAS 123-86-4) | STEL | 800 ppm 950 mg/m3 |
| | TWA | 200 ppm 710 mg/m3 |
| PROPANE (CAS 74-98-6) | TWA | 150 ppm 1800 mg/m3 |
| TOLUENE (CAS 108-88-3) | STEL | 1000 ppm 560 mg/m3 |
| | TWA | 150 ppm 375 mg/m3 100 ppm |

US. Workplace Environmental Exposure Level (WEEL) Guides Components

| Components | Type | Value |
|--|------|--------|
| PROPYLENE GLYCOL METHYL ETHER ACETATE (CAS 108-65-6) | TWA | 50 ppm |

Biological limit values**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|-----------------------------------|-----------|---|---------------------|---------------|
| ACETONE (CAS 67-64-1) | 50 mg/l | Acetone | Urine | * |
| ETHYLBENZENE (CAS 100-41-4) | 0.15 g/g | Sum of mandelic acid and phenylglyoxylic acid | Creatinine in urine | * |
| METHYL ETHYL KETONE (CAS 78-93-3) | 2 mg/l | MEK | Urine | * |
| TOLUENE (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 | * |
| XYLENE (CAS 1330-20-7) | 1.5 g/g | Methylhippuric acids | Creatinine in urine | * |

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

Exposure guidelines**US - California OELs: Skin designation**

PROPYLENE GLYCOL METHYL ETHER ACETATE (CAS 108-65-6) Can be absorbed through the skin.

TOLUENE (CAS 108-88-3) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

TOLUENE (CAS 108-88-3) Skin designation applies.

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.

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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 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 (%) 1.3 % estimated

Flammability limit - upper (%) 12.8 % estimated

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 2389.07 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 6.39 lbs/gal

Flammability class Flammable IA estimated

Heat of combustion (NFPA 30B) 26.44 kJ/g estimated

Percent volatile 84.16

Specific gravity 0.77

VOC 419.469435 g/l Material
3.5006421 lbs/gal Material

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586.58892 g/l Regulatory
4.8953218 lbs/gal Regulatory

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 | Strong acids. Strong oxidizing agents. Nitrates. Halogens. Ammonia. Amines. Isocyanates. Fluorine. Caustics. Chlorine. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | May cause damage to organs through prolonged or repeated exposure by 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.

Information on toxicological effects

Acute toxicity Narcotic effects.

| Components | Species | Test Results |
|---|---------|--------------------|
| 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 |
| AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8) | | |
| Acute | | |
| Oral | | |
| LD50 | Mouse | > 15000 mg/kg |
| | Rat | > 22500 mg/kg |
| ETHYL ACETATE (CAS 141-78-6) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Rat | 16000 ppm, 6 Hours |
| LD50 | Mouse | 1500 ppm, 4 Hours |
| | Rabbit | 2500 ppm, 4 Hours |
| | Rat | 4000 ppm, 4 Hours |
| Oral | | |
| LD50 | Mouse | 0.44 g/kg |
| | Rabbit | 4.9 g/kg |
| | Rat | 11.3 ml/kg |

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| Components | Species | Test Results |
|-----------------------------------|------------|---|
| | | 5.6 g/kg |
| ETHYLBENZENE (CAS 100-41-4) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 17800 mg/kg |
| Oral | | |
| LD50 | Rat | 3500 mg/kg |
| METHYL ETHYL KETONE (CAS 78-93-3) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | > 8000 mg/kg |
| Inhalation | | |
| LC50 | Mouse | 11000 ppm, 45 Minutes |
| | Rat | 11700 ppm, 4 Hours |
| Oral | | |
| LD50 | Mouse | 670 mg/kg |
| | Rat | 2300 - 3500 mg/kg |
| N-BUTANE (CAS 106-97-8) | | |
| <u>Acute</u> | | |
| Inhalation | | |
| LC50 | Mouse | 680 mg/l, 2 Hours |
| | Rat | 658 mg/l, 4 Hours |
| N-BUTYL ACETATE (CAS 123-86-4) | | |
| <u>Acute</u> | | |
| Inhalation | | |
| LC50 | Wistar rat | 160 mg/l, 4 Hours |
| Oral | | |
| LD50 | Rat | 14000 mg/kg |
| PROPANE (CAS 74-98-6) | | |
| <u>Acute</u> | | |
| Inhalation | | |
| LC50 | Rat | > 1442.847 mg/l, 15 Minutes |
| TOLUENE (CAS 108-88-3) | | |
| <u>Acute</u> | | |
| 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 |
| XYLENE (CAS 1330-20-7) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | > 43 g/kg |

| Components | Species | Test Results |
|-------------------|---------|--------------------|
| 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 |

* 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 | |
| AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8) | 3 Not classifiable as to carcinogenicity to humans. |
| ETHYLBENZENE (CAS 100-41-4) | 2B Possibly carcinogenic to humans. |
| TITANIUM DIOXIDE (CAS 13463-67-7) | 2B Possibly carcinogenic to humans. |
| TOLUENE (CAS 108-88-3) | 3 Not classifiable as to carcinogenicity to humans. |
| XYLENE (CAS 1330-20-7) | 3 Not classifiable as to carcinogenicity to humans. |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| Not listed. | |
| Reproductive toxicity | Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging the unborn child. |
| Specific target organ toxicity - single exposure | May cause drowsiness and dizziness. |
| Specific target organ toxicity - repeated exposure | Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | Not an aspiration hazard. |
| Chronic effects | Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Components | Species | Test Results |
|-------------------------------------|---------|--|
| 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 ACETATE (CAS 141-78-6) | | |
| Aquatic | | |
| Fish | LC50 | Indian catfish (Heteropneustes fossilis) 200.32 - 225.42 mg/l, 96 hours |
| ETHYLBENZENE (CAS 100-41-4) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 1.37 - 4.4 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 7.5 - 11 mg/l, 96 hours |

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| Components | Species | Test Results |
|--|---------|---|
| METHYL ETHYL KETONE (CAS 78-93-3) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 4025 - 6440 mg/l, 48 hours |
| Fish | LC50 | Sheepshead minnow (Cyprinodon variegatus) > 400 mg/l, 96 hours |
| N-BUTYL ACETATE (CAS 123-86-4) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 17 - 19 mg/l, 96 hours |
| TITANIUM DIOXIDE (CAS 13463-67-7) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) > 1000 mg/l, 48 hours |
| Fish | LC50 | Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours |
| TOLUENE (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 |
| XYLENE (CAS 1330-20-7) | | |
| Aquatic | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) 7.711 - 9.591 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)

| | |
|---------------------|------------|
| ACETONE | -0.24 |
| ETHYL ACETATE | 0.73 |
| ETHYLBENZENE | 3.15 |
| METHYL ETHYL KETONE | 0.29 |
| N-BUTANE | 2.89 |
| N-BUTYL ACETATE | 1.78 |
| PROPANE | 2.36 |
| TOLUENE | 2.73 |
| XYLENE | 3.12 - 3.2 |

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**

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.
 All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|-----------------------------------|---------|
| ACETONE (CAS 67-64-1) | Listed. |
| ETHYL ACETATE (CAS 141-78-6) | Listed. |
| ETHYLBENZENE (CAS 100-41-4) | Listed. |
| METHYL ETHYL KETONE (CAS 78-93-3) | Listed. |
| N-BUTANE (CAS 106-97-8) | Listed. |
| N-BUTYL ACETATE (CAS 123-86-4) | Listed. |
| PROPANE (CAS 74-98-6) | Listed. |
| TOLUENE (CAS 108-88-3) | Listed. |
| XYLENE (CAS 1330-20-7) | 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. |
|---------------|------------|-----------|
| TOLUENE | 108-88-3 | 5 to <10 |
| XYLENE | 1330-20-7 | 1 to <5 |
| ETHYLBENZENE | 100-41-4 | 0.1 to <1 |

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

ETHYLBENZENE (CAS 100-41-4)
 TOLUENE (CAS 108-88-3)
 XYLENE (CAS 1330-20-7)

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

ACETONE (CAS 67-64-1) 6532
 METHYL ETHYL KETONE (CAS 78-93-3) 6714
 TOLUENE (CAS 108-88-3) 6594

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

ACETONE (CAS 67-64-1) 35 %WV
 METHYL ETHYL KETONE (CAS 78-93-3) 35 %WV
 TOLUENE (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

ACETONE (CAS 67-64-1) 6532
 METHYL ETHYL KETONE (CAS 78-93-3) 6714
 TOLUENE (CAS 108-88-3) 594

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))

ACETONE (CAS 67-64-1)
 ETHYLBENZENE (CAS 100-41-4)
 METHYL ETHYL KETONE (CAS 78-93-3)
 N-BUTANE (CAS 106-97-8)
 TITANIUM DIOXIDE (CAS 13463-67-7)
 TOLUENE (CAS 108-88-3)
 XYLENE (CAS 1330-20-7)

US. Massachusetts RTK - Substance List

ACETONE (CAS 67-64-1)
 AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)
 ETHYL ACETATE (CAS 141-78-6)
 ETHYLBENZENE (CAS 100-41-4)
 METHYL ETHYL KETONE (CAS 78-93-3)
 N-BUTANE (CAS 106-97-8)
 N-BUTYL ACETATE (CAS 123-86-4)
 PROPANE (CAS 74-98-6)
 TITANIUM DIOXIDE (CAS 13463-67-7)

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TOLUENE (CAS 108-88-3)

XYLENE (CAS 1330-20-7)

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

ACETONE (CAS 67-64-1)

AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)

ETHYL ACETATE (CAS 141-78-6)

ETHYLBENZENE (CAS 100-41-4)

METHYL ETHYL KETONE (CAS 78-93-3)

N-BUTANE (CAS 106-97-8)

N-BUTYL ACETATE (CAS 123-86-4)

PROPANE (CAS 74-98-6)

TITANIUM DIOXIDE (CAS 13463-67-7)

TOLUENE (CAS 108-88-3)

XYLENE (CAS 1330-20-7)

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

ACETONE (CAS 67-64-1)

ETHYL ACETATE (CAS 141-78-6)

ETHYLBENZENE (CAS 100-41-4)

METHYL ETHYL KETONE (CAS 78-93-3)

N-BUTANE (CAS 106-97-8)

N-BUTYL ACETATE (CAS 123-86-4)

PROPANE (CAS 74-98-6)

TITANIUM DIOXIDE (CAS 13463-67-7)

TOLUENE (CAS 108-88-3)

XYLENE (CAS 1330-20-7)

US. Rhode Island RTK

ACETONE (CAS 67-64-1)

ETHYL ACETATE (CAS 141-78-6)

ETHYLBENZENE (CAS 100-41-4)

METHYL ETHYL KETONE (CAS 78-93-3)

N-BUTANE (CAS 106-97-8)

N-BUTYL ACETATE (CAS 123-86-4)

PROPANE (CAS 74-98-6)

TOLUENE (CAS 108-88-3)

XYLENE (CAS 1330-20-7)

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

ETHYLBENZENE (CAS 100-41-4) Listed: June 11, 2004

SILICA, CRYSTALLINE QUARTZ (CAS 14808-60-7) Listed: October 1, 1988

TITANIUM DIOXIDE (CAS 13463-67-7) Listed: September 2, 2011

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

1-METHYL-2-PYRROLIDONE (CAS 872-50-4) Listed: June 15, 2001

4-Methyl-2-pentanone (CAS 108-10-1) Listed: March 28, 2014

ETHYL ALCOHOL (CAS 64-17-5) Listed: October 1, 1987

METHANOL (CAS 67-56-1) Listed: March 16, 2012

TOLUENE (CAS 108-88-3) Listed: January 1, 1991

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

TOLUENE (CAS 108-88-3) Listed: August 7, 2009

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) | Yes |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |

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| Country(s) or region | Inventory name | On inventory (yes/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 | 04-19-2015 |
| Version # | 01 |
| HMIS® ratings | Health: 2* Flammability: 4 Physical hazard: 0 |
| NFPA ratings | Health: 2 Flammability: 4 Instability: 0 |

Disclaimer

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