

## 1. Identification

**Product identifier** SCE 09 GRAY

**Other means of identification**

**Product Code** 04481 718106 .3M

**Recommended use** Not available.

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

**Company name** Quest Industrial Products, LLC.

**Address** N92 W14701 Anthony Avenue  
Menomonee Falls, WI 53051  
United States

**Telephone** General Assistance (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

|                              |  |                             |
|------------------------------|--|-----------------------------|
| <b>Physical hazards</b>      | Flammable liquids                                      | Category 2                  |
| <b>Health hazards</b>        | Serious eye damage/eye irritation                      | Category 2A                 |
|                              | Sensitization, skin                                    | Category 1                  |
|                              | Germ cell mutagenicity                                 | Category 1B                 |
|                              | Carcinogenicity  | Category 1B                 |
|                              | Reproductive toxicity                                  | Category 2                  |
|                              | Specific target organ toxicity, single exposure        | Category 3 narcotic effects |
|                              | Specific target organ toxicity, repeated exposure      | Category 1                  |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard     | Category 3                  |
|                              | Hazardous to the aquatic environment, long-term hazard | Category 3                  |
| <b>OSHA defined hazards</b>  | Not classified.  |                             |

### Label elements



**Signal word** Danger

**Hazard statement** Highly flammable liquid and vapor. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Suspected of damaging fertility or 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. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

|  |  |
|--|--|
| <b>Response</b>                                  | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish. |
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.   |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.  |
| <b>Supplemental information</b>                  | 71.54% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 71.54% 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  | %         |
|--|--------------------------|-------------|-----------|
| N-BUTYL ACETATE                          |                          | 123-86-4    | 10 to <20 |
| PROPYLENE GLYCOL METHYL ETHER ACETATE    |                          | 108-65-6    | 10 to <20 |
| TITANIUM DIOXIDE                         |                          | 13463-67-7  | 10 to <20 |
| ACETONE                                  |                          | 67-64-1     | 5 to <10  |
| 2-PENTANONE                              |                          | 107-87-9    | 1 to <5   |
| AMORPHOUS PRECIPITATED SILICA            |                          | 112926-00-8 | 1 to <5   |
| TOLUENE                                  |                          | 108-88-3    | 1 to <5   |
| XYLENE                                   |                          | 1330-20-7   | 1 to <5   |
| ALIPHATIC SOLVENT MIXTURE                |                          | 64741-41-9  | 0.1 to <1 |
| CARBON BLACK                             |                          | 1333-86-4   | 0.1 to <1 |
| ETHYLBENZENE                             |                          | 100-41-4    | 0.1 to <1 |
| METHYL ETHYL KETOXIME                    |                          | 96-29-7     | 0.1 to <1 |
| Other components below reportable levels |                          |             | 30 to <40 |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

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| <b>Inhalation</b>   | 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.  |
| <b>Skin contact</b>   | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.   |
| <b>Eye contact</b>  | 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.  |
| <b>Ingestion</b>  | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects.   |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | Take off all contaminated clothing immediately. 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. Wash contaminated clothing before reuse. |

## 5. Fire-fighting measures

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|--|--|
| <b>Suitable extinguishing media</b>                                  | Water fog. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| <b>General fire hazards</b>  | Highly flammable liquid and vapor.   |

## 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.   |

## 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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. 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. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. 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-PENTANONE (CAS 107-87-9)        | PEL  | 700 mg/m3             |             |
| ACETONE (CAS 67-64-1)             | PEL  | 200 ppm<br>2400 mg/m3 |             |
| CARBON BLACK (CAS 1333-86-4)      | PEL  | 1000 ppm<br>3.5 mg/m3 |             |
| ETHYLBENZENE (CAS 100-41-4)       | PEL  | 435 mg/m3             |             |
| N-BUTYL ACETATE (CAS 123-86-4)    | PEL  | 100 ppm<br>710 mg/m3  |             |
| TITANIUM DIOXIDE (CAS 13463-67-7) | PEL  | 150 ppm<br>15 mg/m3   | Total dust. |
| XYLENE (CAS 1330-20-7)            | PEL  | 435 mg/m3<br>100 ppm  |             |

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

| Components             | Type    | Value   |
|------------------------|---------|---------|
| TOLUENE (CAS 108-88-3) | Ceiling | 300 ppm |
|                        | TWA     | 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    | Form                |
|-----------------------------------|------|----------|---------------------|
| 2-PENTANONE (CAS 107-87-9)        | STEL | 150 ppm  |                     |
| ACETONE (CAS 67-64-1)             | STEL | 750 ppm  |                     |
|                                   | TWA  | 500 ppm  |                     |
| CARBON BLACK (CAS 1333-86-4)      | TWA  | 3 mg/m3  | Inhalable fraction. |
| ETHYLBENZENE (CAS 100-41-4)       | TWA  | 20 ppm   |                     |
| N-BUTYL ACETATE (CAS 123-86-4)    | STEL | 200 ppm  |                     |
|                                   | TWA  | 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 | 150 ppm  |                     |
|                                   | TWA  | 100 ppm  |                     |

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

| Components                                      | Type | Value     |
|---|------|-----------|
| 2-PENTANONE (CAS 107-87-9)                      | TWA  | 530 mg/m3 |
|   |      | 150 ppm   |
| ACETONE (CAS 67-64-1)                           | TWA  | 590 mg/m3 |
|   |      | 250 ppm   |
| AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8) | TWA  | 6 mg/m3   |
| CARBON BLACK (CAS 1333-86-4)                    | TWA  | 0.1 mg/m3 |
| ETHYLBENZENE (CAS 100-41-4)                     | STEL | 545 mg/m3 |
|   |      | 125 ppm   |
|   | TWA  | 435 mg/m3 |
|   |      | 100 ppm   |
| N-BUTYL ACETATE (CAS 123-86-4)                  | STEL | 950 mg/m3 |
|   |      | 200 ppm   |
|   | TWA  | 710 mg/m3 |
|   |      | 150 ppm   |
| TOLUENE (CAS 108-88-3)                          | STEL | 560 mg/m3 |
|   |      | 150 ppm   |
|   | TWA  | 375 mg/m3 |
|   |      | 100 ppm   |

**US. Workplace Environmental Exposure Level (WEEL) Guides**

| Components   | Type | Value    |
|--|------|----------|
| METHYL ETHYL KETOXIME (CAS 96-29-7)                  | TWA  | 36 mg/m3 |
|  |      | 10 ppm   |
| 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 | *             |

**ACGIH Biological Exposure Indices**

| Components             | Value     | Determinant               | Specimen            | Sampling Time |
|------------------------|-----------|---------------------------|---------------------|---------------|
| 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**

Explosion-proof general and local exhaust ventilation. 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. Eye wash fountain and emergency showers are recommended.

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

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

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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

**General hygiene considerations**

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

**9. Physical and chemical properties****Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Not available.

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** -138.46 °F (-94.7 °C) estimated

**Initial boiling point and boiling range** 132.89 °F (56.05 °C) estimated

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

**Evaporation rate** Not available.

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

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** 1.4 % estimated

|  |  |
|--|--|
| <b>Flammability limit - upper (%)</b>          | 12.8 % estimated   |
| <b>Explosive limit - lower (%)</b>             | Not available.   |
| <b>Explosive limit - upper (%)</b>             | Not available.   |
| <b>Vapor pressure</b>                          | 1006.82 hPa estimated  |
| <b>Vapor density</b>                           | Not available.   |
| <b>Relative density</b>                        | Not available.   |
| <b>Solubility(ies)</b>                         |  |
| <b>Solubility (water)</b>                      | Not available.   |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.   |
| <b>Auto-ignition temperature</b>               | 797 °F (425 °C) estimated  |
| <b>Decomposition temperature</b>               | Not available.   |
| <b>Viscosity</b>                               | Not available.   |
| <b>Other information</b>                       |  |
| <b>Density</b>                                 | 8.96 lbs/gal   |
| <b>Explosive properties</b>                    | Not explosive.   |
| <b>Flammability class</b>                      | Flammable IB estimated   |
| <b>Oxidizing properties</b>                    | Not oxidizing.   |
| <b>Percent volatile</b>                        | 51.65  |
| <b>Specific gravity</b>                        | 1.08   |
| <b>VOC</b>                                     | 541.58 g/l Regulatory<br>4.52 lbs/gal Regulatory<br>501.45 g/l Material<br>4.18 lbs/gal Material |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong acids. Strong oxidizing agents. Nitrates. Halogens.   |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.   |

## 11. Toxicological information

### Information on likely routes of exposure

|   |  |
|---|--|
| <b>Inhalation</b>   | May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting.   |
| <b>Skin contact</b>   | May cause an allergic skin reaction.   |
| <b>Eye contact</b>  | Causes serious eye irritation.   |
| <b>Ingestion</b>  | Expected to be a low ingestion hazard.   |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash. |

### Information on toxicological effects

|                       |  |
|-----------------------|--|
| <b>Acute toxicity</b> | Narcotic effects. May cause an allergic skin reaction. |
|-----------------------|--|

| Components                                      | Species    | Test Results  |
|---|------------|---|
| 2-PENTANONE (CAS 107-87-9)                      |            |   |
| <b>Acute</b>                                    |            |   |
| <b>Oral</b>                                     |            |   |
| LD50  | Rat        | 3.73 g/kg   |
| ACETONE (CAS 67-64-1)                           |            |   |
| <b>Acute</b>                                    |            |   |
| <b>Dermal</b>                                   |            |   |
| LD50  | Rabbit     | > 15800 mg/kg   |
| <b>Inhalation</b>                               |            |   |
| LC50  | Rat        | 76 mg/l, 4 Hours  |
| <b>Oral</b>                                     |            |   |
| LD50  | Mouse      | 3000 mg/kg  |
|   | Rat        | 5800 mg/kg  |
| AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8) |            |   |
| <b>Acute</b>                                    |            |   |
| <b>Oral</b>                                     |            |   |
| LD50  | Mouse      | > 15000 mg/kg   |
|   | Rat        | > 22500 mg/kg   |
| CARBON BLACK (CAS 1333-86-4)                    |            |   |
| <b>Acute</b>                                    |            |   |
| <b>Oral</b>                                     |            |   |
| LD50  | Rat        | > 8000 mg/kg  |
| ETHYLBENZENE (CAS 100-41-4)                     |            |   |
| <b>Acute</b>                                    |            |   |
| <b>Dermal</b>                                   |            |   |
| LD50  | Rabbit     | 17800 mg/kg   |
| <b>Oral</b>                                     |            |   |
| LD50  | Rat        | 3500 mg/kg  |
| N-BUTYL ACETATE (CAS 123-86-4)                  |            |   |
| <b>Acute</b>                                    |            |   |
| <b>Inhalation</b>                               |            |   |
| LC50  | Wistar rat | 160 mg/l, 4 Hours   |
| <b>Oral</b>                                     |            |   |
| LD50  | Rat        | 14000 mg/kg   |
| TOLUENE (CAS 108-88-3)                          |            |   |
| <b>Acute</b>                                    |            |   |
| <b>Dermal</b>                                   |            |   |
| LD50  | Rabbit     | 12124 mg/kg<br>14.1 ml/kg                                     |
| <b>Inhalation</b>                               |            |   |
| LC50  | Mouse      | 5320 ppm, 8 Hours<br>400 ppm, 24 Hours                        |
|   | Rat        | 26700 ppm, 1 Hours<br>12200 ppm, 2 Hours<br>8000 ppm, 4 Hours |
| <b>Oral</b>                                     |            |   |
| LD50  | Rat        | 2.6 g/kg  |

| Components             | Species | Test Results       |
|------------------------|---------|--------------------|
| XYLENE (CAS 1330-20-7) |         |                    |
| <b>Acute</b>           |         |                    |
| <b>Dermal</b>          |         |                    |
| LD50                   | Rabbit  | > 43 g/kg          |
| <b>Inhalation</b>      |         |                    |
| LC50                   | Mouse   | 3907 mg/l, 6 Hours |
|                        | Rat     | 6350 mg/l, 4 Hours |
| <b>Oral</b>            |         |                    |
| 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** May cause an allergic skin reaction.

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** May cause cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

|   |   |
|---|---|
| AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8) | 3 Not classifiable as to carcinogenicity to humans. |
| CARBON BLACK (CAS 1333-86-4)                    | 2B Possibly carcinogenic 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 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** 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  |
|----------------------------|---------|---|
| 2-PENTANONE (CAS 107-87-9) |         |   |
| <b>Aquatic</b>             |         |   |
| Fish                       | LC50    | Fathead minnow (Pimephales promelas) 1190 - 1290 mg/l, 96 hours                 |
| ACETONE (CAS 67-64-1)      |         |   |
| <b>Aquatic</b>             |         |   |
| 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 |

| Components                                 | Species | Test Results  |
|--|---------|---|
| <b>ETHYLBENZENE (CAS 100-41-4)</b>         |         |   |
| <b>Aquatic</b>                             |         |   |
| 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          |
| <b>METHYL ETHYL KETOXIME (CAS 96-29-7)</b> |         |   |
| <b>Aquatic</b>                             |         |   |
| Fish                                       | LC50    | Fathead minnow (Pimephales promelas) 777 - 914 mg/l, 96 hours         |
| <b>N-BUTYL ACETATE (CAS 123-86-4)</b>      |         |   |
| <b>Aquatic</b>                             |         |   |
| Fish                                       | LC50    | Fathead minnow (Pimephales promelas) 17 - 19 mg/l, 96 hours           |
| <b>TITANIUM DIOXIDE (CAS 13463-67-7)</b>   |         |   |
| <b>Aquatic</b>                             |         |   |
| Crustacea                                  | EC50    | Water flea (Daphnia magna) > 1000 mg/l, 48 hours                      |
| Fish                                       | LC50    | Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours               |
| <b>TOLUENE (CAS 108-88-3)</b>              |         |   |
| <b>Aquatic</b>                             |         |   |
| 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 |
| <b>XYLENE (CAS 1330-20-7)</b>              |         |   |
| <b>Aquatic</b>                             |         |   |
| 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**

| <b>Partition coefficient n-octanol / water (log Kow)</b> |            |
|--|------------|
| 2-PENTANONE  | 0.91       |
| ACETONE  | -0.24      |
| ETHYLBENZENE   | 3.15       |
| N-BUTYL ACETATE  | 1.78       |
| 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. 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.

**14. Transport information**

**DOT**

**UN number** UN1263

**UN proper shipping name** UN1263, Paint  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Label(s)** 3  
**Packing group** II  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Special provisions** 149, B52, IB2, T4, TP1, TP8, TP28  
**Packaging exceptions** 150  
**Packaging non bulk** 173  
**Packaging bulk** 242

**IATA**

**UN number** UN1263  
**UN proper shipping name** Paint  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Label(s)** 3  
**Packing group** II  
**Environmental hazards** No.  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other information**  
**Passenger and cargo aircraft** Allowed.  
**Cargo aircraft only** Allowed.

**IMDG**

**UN number** UN1263  
**UN proper shipping name** Paint  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Label(s)** 3  
**Packing group** II  
**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.

**DOT**





## 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-PENTANONE (CAS 107-87-9)     | Listed. |
| ACETONE (CAS 67-64-1)          | Listed. |
| ETHYLBENZENE (CAS 100-41-4)    | Listed. |
| N-BUTYL ACETATE (CAS 123-86-4) | 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 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.  |
|---------------|------------|-----------|
| TOLUENE       | 108-88-3   | 1 to <5   |
| 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)

Not regulated.

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

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

|                        |      |
|------------------------|------|
| ACETONE (CAS 67-64-1)  | 6532 |
| 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 |
| TOLUENE (CAS 108-88-3) | 35 %WV |

**DEA Exempt Chemical Mixtures Code Number**

ACETONE (CAS 67-64-1) 6532  
TOLUENE (CAS 108-88-3) 594

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

2-PENTANONE (CAS 107-87-9) Low priority  
ACETONE (CAS 67-64-1) Low priority  
N-BUTYL ACETATE (CAS 123-86-4) 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))**

ACETONE (CAS 67-64-1)  
ALIPHATIC SOLVENT MIXTURE (CAS 64741-41-9)  
CARBON BLACK (CAS 1333-86-4)  
ETHYLBENZENE (CAS 100-41-4)  
TITANIUM DIOXIDE (CAS 13463-67-7)  
TOLUENE (CAS 108-88-3)  
XYLENE (CAS 1330-20-7)

**US. Massachusetts RTK - Substance List**

2-PENTANONE (CAS 107-87-9)  
ACETONE (CAS 67-64-1)  
AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)  
CARBON BLACK (CAS 1333-86-4)  
ETHYLBENZENE (CAS 100-41-4)  
N-BUTYL ACETATE (CAS 123-86-4)  
TITANIUM DIOXIDE (CAS 13463-67-7)  
TOLUENE (CAS 108-88-3)  
XYLENE (CAS 1330-20-7)

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

2-PENTANONE (CAS 107-87-9)  
ACETONE (CAS 67-64-1)  
AMORPHOUS PRECIPITATED SILICA (CAS 112926-00-8)  
CARBON BLACK (CAS 1333-86-4)  
ETHYLBENZENE (CAS 100-41-4)  
N-BUTYL ACETATE (CAS 123-86-4)  
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**

2-PENTANONE (CAS 107-87-9)  
ACETONE (CAS 67-64-1)  
CARBON BLACK (CAS 1333-86-4)  
ETHYLBENZENE (CAS 100-41-4)  
N-BUTYL ACETATE (CAS 123-86-4)  
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)  
ETHYLBENZENE (CAS 100-41-4)  
N-BUTYL ACETATE (CAS 123-86-4)  
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**

CARBON BLACK (CAS 1333-86-4) Listed: February 21, 2003  
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  
ETHYL ALCOHOL (CAS 64-17-5) Listed: October 1, 1987  
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)   | Yes                    |
| 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** 05-10-2017  
**Version #** 01  
**HMIS® ratings** Health: 2\*  
Flammability: 3  
Physical hazard: 0  
**NFPA ratings** Health: 2  
Flammability: 3  
Instability: 0

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