

# SAFETY DATA SHEET

Revision Date 21-Oct-2016

Version 1

## 1. IDENTIFICATION

### Product identifier

**Product Name** 8688-BC White

### Other means of identification

**Product Code** DF-8688-BC  
**UN/ID no.** UN1263  
**SKU(s)** DF-8688-BC

### Recommended use of the chemical and restrictions on use

**Recommended Use** No information available.  
**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Vogel Automotive Coatings  
1020 Albany Place SE  
Orange City, IA 51041  
Phone: 712-737-4993  
Fax: 712-737-4997

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                        |             |
|------------------------|-------------|
| Skin sensitization     | Category 1  |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity        | Category 1B |
| Reproductive toxicity  | Category 2  |
| Flammable liquids      | Category 2  |

### Emergency Overview

#### **Danger**

#### **Hazard statements**

May cause an allergic skin reaction  
May cause genetic defects  
May cause cancer  
Suspected of damaging fertility or the unborn child  
Highly flammable liquid and vapor



**Appearance** No information available

**Physical state** liquid

**Odor** No information available

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Use explosion-proof electrical/ ventilating/ lighting/ equipment

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

Unknown acute toxicity                      0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name              | CAS No.    | Weight-% | Trade Secret |
|----------------------------|------------|----------|--------------|
| Titanium dioxide           | 13463-67-7 | 10 - 30  | *            |
| Tert-Butyl Acetate         | 540-88-5   | 10 - 30  | *            |
| Butyl Acetate              | 123-86-4   | 5 - 10   | *            |
| Methyl Amyl Ketone         | 110-43-0   | 3 - 7    | *            |
| Talc (powder)              | 14807-96-6 | 1 - 5    | *            |
| Parachlorobenzotrifluoride | 98-56-6    | 1 - 5    | *            |
| Aromatic 150               | 64742-94-5 | 1 - 5    | *            |
| Acetone                    | 67-64-1    | 1 - 5    | *            |
| Aromatic 100               | 64742-95-6 | 1 - 5    | *            |
| Silica, Amorphous fumed    | 7631-86-9  | 1 - 5    | *            |
| Aluminum hydroxide         | 21645-51-2 | 1 - 5    | *            |
| Methyl Isobutyl Ketone     | 108-10-1   | 0.1 - 1  | *            |
| Stoddard Solvent           | 8052-41-3  | 0.1 - 1  | *            |
| Toluene                    | 108-88-3   | 0.1 - 1  | *            |
| Ethyl Benzene              | 100-41-4   | 0.1 - 1  | *            |
| Naphthalene                | 91-20-3    | 0.1 - 1  | *            |
| Methyl Ethyl Ketoxime      | 96-29-7    | 0.1 - 1  | *            |
| Mineral Spirits            | 64742-48-9 | 0.1 - 1  | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.                 |
| <b>Skin Contact</b> | Call a physician immediately.  |
| <b>Inhalation</b>   | Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.     |
| <b>Ingestion</b>    | Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention. |

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

Flammable.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Remove all sources of ignition. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Cover liquid spill with sand, earth or other non-combustible absorbent material. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong acids. Strong oxidizing agents. Chlorinated compounds.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

| Chemical Name                         | ACGIH TLV  | OSHA PEL  | NIOSH IDLH   |
|---------------------------------------|--|---|--|
| Titanium dioxide<br>13463-67-7        | TWA: 10 mg/m <sup>3</sup>  | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust  | IDLH: 5000 mg/m <sup>3</sup>   |
| Tert-Butyl Acetate<br>540-88-5        | TWA: 200 ppm   | TWA: 200 ppm<br>TWA: 950 mg/m <sup>3</sup><br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 950 mg/m <sup>3</sup>  | IDLH: 1500 ppm<br>TWA: 200 ppm<br>TWA: 950 mg/m <sup>3</sup>   |
| Butyl Acetate<br>123-86-4             | STEL: 200 ppm<br>TWA: 150 ppm  | TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>(vacated) TWA: 150 ppm<br>(vacated) TWA: 710 mg/m <sup>3</sup><br>(vacated) STEL: 200 ppm<br>(vacated) STEL: 950 mg/m <sup>3</sup>  | IDLH: 1700 ppm<br>TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 950 mg/m <sup>3</sup>         |
| Methyl Amyl Ketone<br>110-43-0        | TWA: 50 ppm  | TWA: 100 ppm<br>TWA: 465 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 465 mg/m <sup>3</sup>  | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 465 mg/m <sup>3</sup>  |
| Talc (powder)<br>14807-96-6           | TWA: 2 mg/m <sup>3</sup> particulate matter<br>containing no asbestos and <1%<br>crystalline silica, respirable fraction | (vacated) TWA: 2 mg/m <sup>3</sup> respirable<br>dust <1% Crystalline silica,<br>containing no Asbestos<br>TWA: 20 mppcf if 1% Quartz or<br>more, use Quartz limit  | IDLH: 1000 mg/m <sup>3</sup><br>TWA: 2 mg/m <sup>3</sup> containing no<br>Asbestos and <1% Quartz<br>respirable dust |
| Parachlorobenzotrifluoride<br>98-56-6 | TWA: 2.5 mg/m <sup>3</sup> F   | TWA: 2.5 mg/m <sup>3</sup> F<br>TWA: 2.5 mg/m <sup>3</sup> dust<br>(vacated) TWA: 2.5 mg/m <sup>3</sup>   | -  |
| Acetone<br>67-64-1                    | STEL: 500 ppm<br>TWA: 250 ppm  | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup> The<br>acetone STEL does not apply to the<br>cellulose acetate fiber industry. It is<br>in effect for all other sectors<br>(vacated) STEL: 1000 ppm | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup>   |
| Silica, Amorphous fumed<br>7631-86-9  | -  | (vacated) TWA: 6 mg/m <sup>3</sup> <1%<br>Crystalline silica<br>TWA: 20 mppcf<br>: (80)/(%) SiO <sub>2</sub> mg/m <sup>3</sup> TWA  | IDLH: 3000 mg/m <sup>3</sup><br>TWA: 6 mg/m <sup>3</sup>   |
| Aluminum hydroxide<br>21645-51-2      | TWA: 1 mg/m <sup>3</sup> respirable fraction   | -   | -  |
| Methyl Isobutyl Ketone<br>108-10-1    | STEL: 75 ppm<br>TWA: 20 ppm  | TWA: 100 ppm<br>TWA: 410 mg/m <sup>3</sup><br>(vacated) TWA: 50 ppm<br>(vacated) TWA: 205 mg/m <sup>3</sup><br>(vacated) STEL: 75 ppm<br>(vacated) STEL: 300 mg/m <sup>3</sup>  | IDLH: 500 ppm<br>TWA: 50 ppm<br>TWA: 205 mg/m <sup>3</sup><br>STEL: 75 ppm<br>STEL: 300 mg/m <sup>3</sup>            |
| Stoddard Solvent<br>8052-41-3         | TWA: 100 ppm   | TWA: 500 ppm<br>TWA: 2900 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 525 mg/m <sup>3</sup>   | IDLH: 20000 mg/m <sup>3</sup><br>Ceiling: 1800 mg/m <sup>3</sup> 15 min<br>TWA: 350 mg/m <sup>3</sup>                |

|                           |                   |  |   |
|---------------------------|-------------------|--|---|
| Toluene<br>108-88-3       | TWA: 20 ppm       | TWA: 200 ppm<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 375 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 560 mg/m <sup>3</sup><br>Ceiling: 300 ppm           | IDLH: 500 ppm<br>TWA: 100 ppm<br>TWA: 375 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 560 mg/m <sup>3</sup> |
| Ethyl Benzene<br>100-41-4 | TWA: 20 ppm       | TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m <sup>3</sup><br>(vacated) STEL: 125 ppm<br>(vacated) STEL: 545 mg/m <sup>3</sup> | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>STEL: 125 ppm<br>STEL: 545 mg/m <sup>3</sup> |
| Naphthalene<br>91-20-3    | TWA: 10 ppm<br>S* | TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 50 mg/m <sup>3</sup><br>(vacated) STEL: 15 ppm<br>(vacated) STEL: 75 mg/m <sup>3</sup>       | IDLH: 250 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 75 mg/m <sup>3</sup>     |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

#### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

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

**Eye/face protection** No special technical protective measures are necessary.

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid                   | <b>Odor</b>           | No information available |
| <b>Appearance</b>     | No information available | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <u>Property</u>               | <u>Values</u>            | <u>Remarks • Method</u> |
|-------------------------------|--------------------------|-------------------------|
| pH                            | No information available |                         |
| Melting point/freezing point  | No information available |                         |
| Boiling point / boiling range | >= 56 °C / 133 °F        |                         |
| Flash point                   | 4 °C / 40 °F             |                         |
| Evaporation rate              | No information available |                         |
| Flammability (solid, gas)     | No information available |                         |
| Flammability Limit in Air     |                          |                         |
| Upper flammability limit:     | No information available |                         |
| Lower flammability limit:     | No information available |                         |
| Vapor pressure                | No information available |                         |
| Vapor density                 | No information available |                         |
| Specific Gravity              | 1.31                     |                         |

|                                     |                          |
|-------------------------------------|--------------------------|
| <b>Water solubility</b>             | No information available |
| <b>Solubility in other solvents</b> | No information available |
| <b>Partition coefficient</b>        | No information available |
| <b>Autoignition temperature</b>     | No information available |
| <b>Decomposition temperature</b>    | No information available |
| <b>Kinematic viscosity</b>          | No information available |
| <b>Dynamic viscosity</b>            | No information available |
| <b>Explosive properties</b>         | No information available |
| <b>Oxidizing properties</b>         | No information available |

**Other Information**

|                                   |                          |
|-----------------------------------|--------------------------|
| <b>Softening point</b>            | No information available |
| <b>Molecular weight</b>           | No information available |
| <b>VOC Content (%)</b>            | No information available |
| <b>Density</b>                    | 10.89 lbs/gal            |
| <b>Bulk density</b>               | No information available |
| <b>Percent solids by weight</b>   | 60.0%                    |
| <b>Percent volatile by weight</b> | 20.3%                    |
| <b>Percent solids by volume</b>   | 37.5%                    |
| <b>Actual VOC (lbs/gal)</b>       | 2.2                      |
| <b>Actual VOC (grams/liter)</b>   | 264.3                    |
| <b>EPA VOC (lbs/gal)</b>          | 3.2                      |
| <b>EPA VOC (grams/liter)</b>      | 386.8                    |
| <b>EPA VOC (lb/gal solids)</b>    | 5.9                      |

|                                     |
|-------------------------------------|
| <b>10. STABILITY AND REACTIVITY</b> |
|-------------------------------------|

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong acids. Strong oxidizing agents. Chlorinated compounds.

**Hazardous Decomposition Products**

Carbon oxides.

|                                      |
|--------------------------------------|
| <b>11. TOXICOLOGICAL INFORMATION</b> |
|--------------------------------------|

**Information on likely routes of exposure**

|                            |                    |
|----------------------------|--------------------|
| <b>Product Information</b> | No data available  |
| <b>Inhalation</b>          | No data available. |
| <b>Eye contact</b>         | No data available. |
| <b>Skin Contact</b>        | No data available. |
| <b>Ingestion</b>           | No data available. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------|-----------|-------------|-----------------|
|---------------|-----------|-------------|-----------------|

|                                       |   |  |                                       |
|---------------------------------------|---|--|---------------------------------------|
| Titanium dioxide<br>13463-67-7        | > 10000 mg/kg ( Rat )                     | -  | -                                     |
| Tert-Butyl Acetate<br>540-88-5        | = 4100 mg/kg ( Rat )                      | > 2 g/kg ( Rabbit )                              | > 2230 mg/m <sup>3</sup> ( Rat ) 4 h  |
| Butyl Acetate<br>123-86-4             | = 10768 mg/kg ( Rat )                     | > 17600 mg/kg ( Rabbit )                         | = 390 ppm ( Rat ) 4 h                 |
| Methyl Amyl Ketone<br>110-43-0        | = 1600 mg/kg ( Rat ) = 1670 mg/kg ( Rat ) | = 12.6 mL/kg ( Rabbit ) = 12600 µL/kg ( Rabbit ) | > 2000 ppm ( Rat ) 4 h                |
| Talc (powder)<br>14807-96-6           | = 55,000 mg/kg (Rat)                      | -  | -                                     |
| Parachlorobenzotrifluoride<br>98-56-6 | = 13 g/kg ( Rat )                         | > 2 mL/kg ( Rabbit )                             | = 33 mg/L ( Rat ) 4 h                 |
| Aromatic 150<br>64742-94-5            | > 5000 mg/kg ( Rat )                      | > 2 mL/kg ( Rabbit )                             | > 590 mg/m <sup>3</sup> ( Rat ) 4 h   |
| Acetone<br>67-64-1                    | = 5800 mg/kg ( Rat )                      | -  | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| Aromatic 100<br>64742-95-6            | = 8400 mg/kg ( Rat )                      | > 2000 mg/kg ( Rabbit )                          | = 3400 ppm ( Rat ) 4 h                |
| Silica, Amorphous fumed<br>7631-86-9  | > 5000 mg/kg ( Rat )                      | > 2000 mg/kg ( Rabbit )                          | > 2.2 mg/L ( Rat ) 1 h                |
| Aluminum hydroxide<br>21645-51-2      | > 5000 mg/kg ( Rat )                      | -  | -                                     |
| Methyl Isobutyl Ketone<br>108-10-1    | = 2080 mg/kg ( Rat )                      | = 3000 mg/kg ( Rabbit )                          | = 8.2 mg/L ( Rat ) 4 h                |
| Stoddard Solvent<br>8052-41-3         | -   | > 3000 mg/kg (Rabbit)                            | -                                     |
| Toluene<br>108-88-3                   | = 2600 mg/kg ( Rat )                      | = 12000 mg/kg ( Rabbit )                         | = 12.5 mg/L ( Rat ) 4 h               |
| Ethyl Benzene<br>100-41-4             | = 3500 mg/kg ( Rat )                      | = 15400 mg/kg ( Rabbit )                         | = 17.2 mg/L ( Rat ) 4 h               |
| Naphthalene<br>91-20-3                | = 1110 mg/kg ( Rat ) = 490 mg/kg ( Rat )  | (= 1120 mg/kg ( Rabbit ) > 20 g/kg ( Rabbit )    | > 340 mg/m <sup>3</sup> ( Rat ) 1 h   |
| Methyl Ethyl Ketoxime<br>96-29-7      | = 930 mg/kg ( Rat )                       | = 0.2 mg/kg ( Rabbit )                           | = 20 mg/L ( Rat ) 4 h                 |
| Mineral Spirits<br>64742-48-9         | > 5000 mg/kg ( Rat )                      | > 3160 mg/kg ( Rabbit )                          | -                                     |

**Information on toxicological effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

| Chemical Name                        | ACGIH | IARC     | NTP                    | OSHA |
|--------------------------------------|-------|----------|------------------------|------|
| Titanium dioxide<br>13463-67-7       | -     | Group 2B | -                      | X    |
| Talc (powder)<br>14807-96-6          | -     | Group 3  | -                      | -    |
| Silica, Amorphous fumed<br>7631-86-9 | -     | Group 3  | -                      | -    |
| Methyl Isobutyl Ketone<br>108-10-1   | A3    | Group 2B | -                      | X    |
| Toluene<br>108-88-3                  | -     | Group 3  | -                      | -    |
| Ethyl Benzene<br>100-41-4            | A3    | Group 2B | -                      | X    |
| Naphthalene<br>91-20-3               | A3    | Group 2B | Reasonably Anticipated | X    |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Reproductive toxicity**

**STOT - single exposure**

**STOT - repeated exposure**

**Chronic toxicity**

Product is or contains a chemical which is a known or suspected reproductive hazard.

No information available.

No information available.

Contains a known or suspected reproductive toxin. Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands.

**Target Organ Effects**

Central nervous system, Central Vascular System (CVS), Eyes, lungs, Peripheral Nervous System (PNS), Respiratory system, Skin.

**Aspiration hazard**

No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects

54.04% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                         | Algae/aquatic plants                                | Fish  | Crustacea  |
|---------------------------------------|---|---|--|
| Tert-Butyl Acetate<br>540-88-5        | -   | 296 - 362: 96 h Pimephales promelas mg/L LC50 flow-through  | -  |
| Butyl Acetate<br>123-86-4             | 674.7: 72 h Desmodesmus subspicatus mg/L EC50       | 100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 62: 96 h Leuciscus idus mg/L LC50 static  | 72.8: 24 h Daphnia magna mg/L EC50   |
| Methyl Amyl Ketone<br>110-43-0        | -   | 126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through  | -  |
| Talc (powder)<br>14807-96-6           | -   | 100: 96 h Brachydanio rerio g/L LC50 semi-static  | -  |
| Parachlorobenzotrifluoride<br>98-56-6 | -   | 11.5 - 15.8: 48 h Lepomis macrochirus mg/L LC50 static  | 3.68: 48 h Daphnia magna mg/L EC50   |
| Aromatic 150<br>64742-94-5            | 2.5: 72 h Skeletonema costatum mg/L EC50            | 19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 41: 96 h Pimephales promelas mg/L LC50 | 0.95: 48 h Daphnia magna mg/L EC50   |
| Acetone<br>67-64-1                    | -   | 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50   | 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50 |
| Aromatic 100<br>64742-95-6            | -   | 9.22: 96 h Oncorhynchus mykiss mg/L LC50  | 6.14: 48 h Daphnia magna mg/L EC50   |
| Silica, Amorphous fumed<br>7631-86-9  | 440: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 5000: 96 h Brachydanio rerio mg/L LC50 static   | 7600: 48 h Ceriodaphnia dubia mg/L EC50  |
| Methyl Isobutyl Ketone<br>108-10-1    | 400: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through  | 170: 48 h Daphnia magna mg/L EC50  |



|                                  |  |  |  |
|----------------------------------|--|--|--|
| Toluene<br>108-88-3              | 433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static  | 15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static | 5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50  |
| Ethyl Benzene<br>100-41-4        | 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static | 11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 32: 96 h Lepomis macrochirus mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 9.6: 96 h Poecilia reticulata mg/L LC50 static   | 1.8 - 2.4: 48 h Daphnia magna mg/L EC50  |
| Naphthalene<br>91-20-3           | 0.4: 72 h Skeletonema costatum mg/L EC50   | 5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static 1.99: 96 h Pimephales promelas mg/L LC50 static 31.0265: 96 h Lepomis macrochirus mg/L LC50 static  | 2.16: 48 h Daphnia magna mg/L LC50 1.96: 48 h Daphnia magna mg/L EC50 Flow through 1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static |
| Methyl Ethyl Ketoxime<br>96-29-7 | 83: 72 h Desmodesmus subspicatus mg/L EC50   | 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through 760: 96 h Poecilia reticulata mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static   | 750: 48 h Daphnia magna mg/L EC50  |
| Mineral Spirits<br>64742-48-9    | -  | 2200: 96 h Pimephales promelas mg/L LC50   | 2.6: 96 h Chaetogammarus marinus mg/L LC50   |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

| Chemical Name                         | Partition coefficient |
|---------------------------------------|-----------------------|
| Tert-Butyl Acetate<br>540-88-5        | 1.38                  |
| Butyl Acetate<br>123-86-4             | 1.81                  |
| Methyl Amyl Ketone<br>110-43-0        | 1.98                  |
| Parachlorobenzotrifluoride<br>98-56-6 | 3.7                   |
| Aromatic 150<br>64742-94-5            | 2.9 - 6.1             |
| Acetone<br>67-64-1                    | -0.24                 |
| Methyl Isobutyl Ketone<br>108-10-1    | 1.19                  |
| Toluene<br>108-88-3                   | 2.65                  |
| Ethyl Benzene<br>100-41-4             | 3.118                 |

|                                  |      |
|----------------------------------|------|
| Naphthalene<br>91-20-3           | 3.3  |
| Methyl Ethyl Ketoxime<br>96-29-7 | 0.65 |

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** D001 U002 U055 U161 U165 U220 U239

| Chemical Name                      | RCRA | RCRA - Basis for Listing   | RCRA - D Series Wastes | RCRA - U Series Wastes |
|------------------------------------|------|--|------------------------|------------------------|
| Acetone<br>67-64-1                 | -    | Included in waste stream:<br>F039  | -                      | U002                   |
| Methyl Isobutyl Ketone<br>108-10-1 | -    | Included in waste stream:<br>F039  | -                      | U161                   |
| Toluene<br>108-88-3                | U220 | Included in waste streams:<br>F005, F024, F025, F039,<br>K015, K036, K037, K149,<br>K151 | -                      | U220                   |
| Ethyl Benzene<br>100-41-4          | -    | Included in waste stream:<br>F039  | -                      | -                      |
| Naphthalene<br>91-20-3             | U165 | Included in waste streams:<br>F024, F025, F034, F039,<br>K001, K035, K060, K087,<br>K145 | -                      | U165                   |

| Chemical Name       | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes   | RCRA - K Series Wastes |
|---------------------|--------------------------------------|------------------------|--|------------------------|
| Toluene<br>108-88-3 | -                                    | -                      | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent<br>filters and filter aids, and<br>spent desiccant wastes from<br>the production of certain<br>chlorinated aliphatic<br>hydrocarbons, by free<br>radical catalyzed processes.<br>These chlorinated aliphatic<br>hydrocarbons are those<br>having carbon chain lengths<br>ranging from one to and<br>including five, with varying<br>amounts and positions of<br>chlorine substitution. | -                      |

|                        |   |   |  |   |
|------------------------|---|---|--|---|
| Naphthalene<br>91-20-3 | - | - | Toxic waste<br>waste number F025<br>Waste description:<br>Condensed light ends, spent<br>filters and filter aids, and<br>spent desiccant wastes from<br>the production of certain<br>chlorinated aliphatic<br>hydrocarbons, by free<br>radical catalyzed processes.<br>These chlorinated aliphatic<br>hydrocarbons are those<br>having carbon chain lengths<br>ranging from one to and<br>including five, with varying<br>amounts and positions of<br>chlorine substitution. | - |
|------------------------|---|---|--|---|

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name             | California Hazardous Waste Status |
|---------------------------|-----------------------------------|
| Butyl Acetate<br>123-86-4 | Toxic                             |
| Acetone<br>67-64-1        | Ignitable                         |
| Toluene<br>108-88-3       | Toxic<br>Ignitable                |
| Ethyl Benzene<br>100-41-4 | Toxic<br>Ignitable                |
| Naphthalene<br>91-20-3    | Toxic                             |

**14. TRANSPORT INFORMATION**

**DOT**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 Special Provisions 149, B52, IB2, T4, TP1, TP8, TP28  
 Description UN1263, Paint, 3, II,  
 Emergency Response Guide Number 128

**TDG**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 Description UN1263, Paint, 3, II

**MEX**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 Description UN1263, Paint, 3, II

**ICAO (air)**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 Special Provisions A3, A72

Description UN1263, Paint, 3, II

**IATA**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 ERG Code 3L  
 Special Provisions A3, A72  
 Description UN1263, Paint, 3, II

**IMDG**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 EmS-No. F-E, S-E  
 Special Provisions 163  
 Description UN1263, Paint, 3, II

**RID**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 Classification code F1  
 Description UN1263, Paint, 3, II

**ADR**

UN/ID no. UN1263  
 Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 Classification code F1  
 Tunnel restriction code (D/E)  
 Special Provisions 163, 640D, 650  
 Description UN1263, Paint, 3, II, (D/E)  
 Labels 3

**ADN**

Proper shipping name Paint  
 Hazard Class 3  
 Packing Group II  
 Classification code F1  
 Special Provisions 163, 640D, 650  
 Description UN1263, Paint, 3, II  
 Hazard label(s) 3  
 Limited quantity (LQ) 5 L  
 Ventilation VE01

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**International Inventories**

|               |                   |
|---------------|-------------------|
| TSCA          | Complies          |
| DSL/NDSL      | Complies *        |
| EINECS/ELINCS | Does not comply * |
| ENCS          | Does not comply * |
| IECSC         | Complies *        |
| KECL          | Complies *        |
| PICCS         | Complies *        |
| AICS          | Complies *        |

\* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|---------------|-------------------------------|
| Ethyl Benzene | 0.1                           |
| Naphthalene   | 0.1                           |

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                  | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Tert-Butyl Acetate<br>540-88-5 | -                           | -                      | -                         | X                          |
| Butyl Acetate<br>123-86-4      | 5000 lb                     | -                      | -                         | X                          |
| Toluene<br>108-88-3            | 1000 lb                     | X                      | X                         | X                          |
| Ethyl Benzene<br>100-41-4      | 1000 lb                     | X                      | X                         | X                          |
| Naphthalene<br>91-20-3         | 100 lb                      | X                      | X                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name                      | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)   |
|------------------------------------|--------------------------|----------------|--|
| Tert-Butyl Acetate<br>540-88-5     | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ   |
| Butyl Acetate<br>123-86-4          | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ   |
| Acetone<br>67-64-1                 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ   |
| Methyl Isobutyl Ketone<br>108-10-1 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ   |
| Toluene<br>108-88-3                | 1000 lb 1 lb             | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ RQ 1 lb final RQ<br>RQ 0.454 kg final RQ |
| Ethyl Benzene<br>100-41-4          | 1000 lb                  | -              | RQ 1000 lb final RQ<br>RQ 454 kg final RQ  |

|                        |             |   |   |
|------------------------|-------------|---|---|
| Naphthalene<br>91-20-3 | 100 lb 1 lb | - | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ RQ 1 lb final<br>RQ<br>RQ 0.454 kg final RQ |
|------------------------|-------------|---|---|

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name                     | California Proposition 65            |
|-----------------------------------|--------------------------------------|
| Titanium dioxide - 13463-67-7     | Carcinogen                           |
| Methyl Isobutyl Ketone - 108-10-1 | Carcinogen<br>Developmental          |
| Toluene - 108-88-3                | Developmental<br>Female Reproductive |
| Ethyl Benzene - 100-41-4          | Carcinogen                           |
| Naphthalene - 91-20-3             | Carcinogen                           |
| Cumene - 98-82-8                  | Carcinogen                           |
| Crystalline Silica - 14808-60-7   | Carcinogen                           |

**U.S. State Right-to-Know Regulations**

| Chemical Name                         | New Jersey | Massachusetts |
|---------------------------------------|------------|---------------|
| Titanium dioxide<br>13463-67-7        | X          | X             |
| Tert-Butyl Acetate<br>540-88-5        | X          | X             |
| Butyl Acetate<br>123-86-4             | X          | X             |
| Methyl Amyl Ketone<br>110-43-0        | X          | X             |
| Talc (powder)<br>14807-96-6           | X          | X             |
| Parachlorobenzotrifluoride<br>98-56-6 | X          | -             |
| Acetone<br>67-64-1                    | X          | X             |
| Silica, Amorphous fumed<br>7631-86-9  | X          | X             |
| Xylene<br>1330-20-7                   | X          | X             |
| Methyl Isobutyl Ketone<br>108-10-1    | X          | X             |
| Toluene<br>108-88-3                   | X          | X             |
| Ethyl Benzene<br>100-41-4             | X          | X             |
| Naphthalene<br>91-20-3                | X          | X             |

| Chemical Name                         | Pennsylvania |
|---------------------------------------|--------------|
| Titanium dioxide<br>13463-67-7        | X            |
| Tert-Butyl Acetate<br>540-88-5        | X            |
| Butyl Acetate<br>123-86-4             | X            |
| Methyl Amyl Ketone<br>110-43-0        | X            |
| Talc (powder)<br>14807-96-6           | X            |
| Parachlorobenzotrifluoride<br>98-56-6 | X            |
| Acetone<br>67-64-1                    | X            |
| Silica, Amorphous fumed<br>7631-86-9  | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**Hazardous air pollutants (HAPS) content**

This product contains no reportable Hazardous Air Pollutants

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|                    |                    |                |                    |                                    |
|--------------------|--------------------|----------------|--------------------|------------------------------------|
| <b><u>NFPA</u></b> | Health hazards 2   | Flammability 3 | Instability 0      | Physical and Chemical Properties - |
| <b><u>HMIS</u></b> | Health hazards 2 * | Flammability 3 | Physical hazards 0 | Personal protection X              |

*Chronic Hazard Star Legend*                      \* = *Chronic Health Hazard*

**Revision Date**    21-Oct-2016

**Revision Note**

No information available

**Disclaimer**

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**End of Safety Data Sheet**