

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Revision date 04-Jun-2026

Revision Number 4

## 1. Identification

### Product identifier

Product Name Clark Hot Yellow-Green

### Other means of identification

Product Code(s) 8203, 9839, 8366

Synonyms None

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

Recommended use No information available

Restrictions on use No information available

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

#### Company Address

Tifco Industries  
PO Box 40277  
Houston, TX 77240-0277  
United States  
Phone: (281) 571-6000

#### Emergency telephone number

Emergency Telephone 1-800-255-3924

## 2. Hazard(s) identification

### Classification

|                                                  |             |
|--------------------------------------------------|-------------|
| Aerosols                                         | Category 1  |
| Serious eye damage/eye irritation                | Category 2A |
| Germ cell mutagenicity                           | Category 1B |
| Carcinogenicity                                  | Category 1A |
| Reproductive toxicity                            | Category 1B |
| Specific target organ toxicity (single exposure) | Category 3  |

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

**Danger****Hazard statements**

Extremely flammable aerosol. Pressurized container: May burst if heated.  
 Causes serious eye irritation.  
 May cause genetic defects.  
 May cause cancer.  
 May damage fertility or the unborn child.  
 May cause drowsiness or dizziness.

**Precautionary Statements - Prevention**

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Wear protective gloves, protective clothing, eye protection and face protection.  
 Wash face, hands and any exposed skin thoroughly after handling.  
 Avoid breathing dust, fume, gas, mist, vapors and spray.  
 Use only outdoors or in a well-ventilated area.

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor if you feel unwell.

**Precautionary Statements - Storage**

Store locked up.  
 Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Other information**

May be harmful if swallowed. May be harmful if inhaled. Harmful to aquatic life.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

| Chemical name                         | CAS No.   | Weight-%  | Trade secret |
|---------------------------------------|-----------|-----------|--------------|
| Acetone                               | 67-64-1   | 20 to <35 | *            |
| Propane                               | 74-98-6   | 10 to <20 | *            |
| Propylene Glycol Methyl Ether Acetate | 108-65-6  | 10 to <20 | *            |
| Barium sulfate                        | 7727-43-7 | 10 to <20 | *            |
| Butane                                | 106-97-8  | 5 to <10  | *            |
| Methyl N-Propyl Ketone                | 107-87-9  | 1 to <5   | *            |
| Dimethyl Carbonate                    | 616-38-6  | 1 to <5   | *            |

|                                    |            |           |   |
|------------------------------------|------------|-----------|---|
| Xylene                             | 1330-20-7  | 0.1 to <1 | * |
| Toluene                            | 108-88-3   | 0.1 to <1 | * |
| Titanium dioxide                   | 13463-67-7 | 0.1 to <1 | * |
| Aromatic 100                       | 64742-95-6 | 0.1 to <1 | * |
| 1,2,4-Trimethylbenzene             | 95-63-6    | 0.1 to <1 | * |
| Hydrosulfurized heavy pet. naphtha | 64742-82-1 | 0.1 to <1 | * |
| Ethyl Benzene                      | 100-41-4   | 0.1 to <1 | * |
| Zirconium octoate                  | 22464-99-9 | 0.1 to <1 | * |
| Methyl Isobutyl Ketone             | 108-10-1   | 0.1 to <1 | * |

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

## 4. First-aid measures

### Description of first aid measures

|                                           |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.                                                                                                                                                                     |
| <b>Inhalation</b>                         | Remove to fresh air. IF exposed or concerned: Get medical advice/attention.                                                                                                                                                                                                         |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <b>Skin contact</b>                       | Wash skin with soap and water.                                                                                                                                                                                                                                                      |
| <b>Ingestion</b>                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.                                                                                                                                                                       |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).                                                                                                                                                                                       |

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

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b>            | May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
| <b>Effects of Exposure</b> | May cause cancer. May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility. Mutagenic effects.                                                  |

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

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. Fire-fighting measures

|                                                   |                                                                                                         |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>               | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Large Fire</b>                                 | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |
| <b>Unsuitable extinguishing media</b>             | Do not scatter spilled material with high pressure water streams.                                       |
| <b>Specific hazards arising from the chemical</b> | No information available.                                                                               |
| <b>Explosion data</b>                             |                                                                                                         |

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing.

**Other information** Refer to protective measures listed in Sections 7 and 8.

### 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** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control Parameters

#### Exposure Limits

| Chemical name      | ACGIH TLV                     | OSHA PEL                                                                                                                                                                                                                                                  | NIOSH                                                           |
|--------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Acetone<br>67-64-1 | TWA: 250 ppm<br>STEL: 500 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><br>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for | TWA: 250 ppm;<br>TWA: 590 mg/m <sup>3</sup> ;<br>IDLH: 2500 ppm |

|                                    |                                                                                                                                                |                                                                                                                                                                                                           |                                                                                                                                                                 |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    |                                                                                                                                                | all other sectors.<br>(vacated) STEL: 1000 ppm                                                                                                                                                            |                                                                                                                                                                 |
| Propane<br>74-98-6                 | : See Appendix F:<br>Minimal Oxygen Content,<br>explosion hazard<br>Sa                                                                         | TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup>                                                                                          | TWA: 1000 ppm;<br>TWA: 1800 mg/m <sup>3</sup> ;<br>STEL: 1250 ppm<br>STEL: 2250 mg/m <sup>3</sup><br>IDLH: 2100 ppm                                             |
| Barium sulfate<br>7727-43-7        | TWA: 5 mg/m <sup>3</sup> inhalable<br>particulate matter particulate<br>matter containing no Asbestos<br>and <1% Crystalline silica            | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable<br>fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup><br>total dust<br>(vacated) TWA: 5 mg/m <sup>3</sup><br>respirable fraction | TWA: 10 mg/m <sup>3</sup> ; total dust<br>TWA: 5 mg/m <sup>3</sup> ; respirable<br>dust                                                                         |
| Butane<br>106-97-8                 | STEL: 1000 ppm explosion<br>hazard                                                                                                             | (vacated) TWA: 800 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>                                                                                                                                           | TWA: 800 ppm;<br>TWA: 1900 mg/m <sup>3</sup> ;<br>STEL: 1250 ppm<br>STEL: 2250 mg/m <sup>3</sup><br>IDLH: 1600 ppm                                              |
| Methyl N-Propyl Ketone<br>107-87-9 | STEL: 150 ppm                                                                                                                                  | TWA: 200 ppm<br>TWA: 700 mg/m <sup>3</sup><br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 700 mg/m <sup>3</sup><br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 875 mg/m <sup>3</sup>                          | TWA: 150 ppm;<br>TWA: 530 mg/m <sup>3</sup> ;<br>IDLH: 1500 ppm                                                                                                 |
| Xylene<br>1330-20-7                | 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: 150 ppm<br>(vacated) STEL: 655 mg/m <sup>3</sup>                          | -                                                                                                                                                               |
| Toluene<br>108-88-3                | TWA: 20 ppm<br>pOt                                                                                                                             | 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                                    | TWA: 100 ppm;<br>TWA: 375 mg/m <sup>3</sup> ;<br>STEL: 150 ppm<br>STEL: 560 mg/m <sup>3</sup><br>IDLH: 500 ppm                                                  |
| Titanium dioxide<br>13463-67-7     | TWA: 0.2 mg/m <sup>3</sup> nanoscale<br>respirable particulate matter<br>TWA: 2.5 mg/m <sup>3</sup> finescale<br>respirable particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable<br>fraction                                                                                                                   | TWA: 2.4 mg/m <sup>3</sup> ; CIB 63 fine<br>TWA: 0.3 mg/m <sup>3</sup> ; CIB 63<br>ultrafine, including engineered<br>nanoscale<br>IDLH: 5000 mg/m <sup>3</sup> |
| 1,2,4-Trimethylbenzene<br>95-63-6  | TWA: 10 ppm                                                                                                                                    | (vacated) TWA: 25 ppm<br>(vacated) TWA: 125 mg/m <sup>3</sup>                                                                                                                                             | TWA: 25 ppm;<br>TWA: 125 mg/m <sup>3</sup> ;                                                                                                                    |
| Ethyl Benzene<br>100-41-4          | TWA: 20 ppm<br>pOt                                                                                                                             | 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>                          | TWA: 100 ppm;<br>TWA: 435 mg/m <sup>3</sup> ;<br>STEL: 125 ppm<br>STEL: 545 mg/m <sup>3</sup><br>IDLH: 800 ppm                                                  |
| Zirconium octoate<br>22464-99-9    | TWA: 5 mg/m <sup>3</sup> Zr<br>STEL: 10 mg/m <sup>3</sup> Zr                                                                                   | TWA: 5 mg/m <sup>3</sup> Zr<br>(vacated) TWA: 5 mg/m <sup>3</sup> Zr<br>(vacated) STEL: 10 mg/m <sup>3</sup> Zr                                                                                           | TWA: 5 mg/m <sup>3</sup> ; except<br>Zirconium tetrachloride Zr<br>STEL: 10 mg/m <sup>3</sup> Zr<br>IDLH: 25 mg/m <sup>3</sup> Zr                               |
| Methyl Isobutyl Ketone<br>108-10-1 | TWA: 20 ppm<br>STEL: 75 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>                            | TWA: 50 ppm;<br>TWA: 205 mg/m <sup>3</sup> ;<br>STEL: 75 ppm<br>STEL: 300 mg/m <sup>3</sup><br>IDLH: 500 ppm                                                    |

**Note** See section 16 for terms and abbreviations.

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

**Biological occupational exposure limits**

| Chemical name                      | ACGIH                                                                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acetone<br>67-64-1                 | 25 mg/L - urine (Acetone) - end of shift                                                                                                                                             |
| Xylene<br>1330-20-7                | 0.3 g/g creatinine - urine (total of all isomers of Methylhippuric acids) - end of shift                                                                                             |
| Toluene<br>108-88-3                | 0.02 mg/L - blood (Toluene) - prior to last shift of workweek<br>0.03 mg/L - urine (Toluene) - end of shift<br>0.3 mg/g creatinine - urine (o-Cresol with hydrolysis) - end of shift |
| Ethyl Benzene<br>100-41-4          | 150 mg/g creatinine - urine (Sum of mandelic acid and phenylglyoxylic acid) - end of shift                                                                                           |
| Methyl Isobutyl Ketone<br>108-10-1 | 1 mg/L - urine (MIBK) - end of shift                                                                                                                                                 |

**Appropriate engineering controls**

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

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

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

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Physical state** Aerosol  
**Appearance** No information available  
**Color** No information available  
**Odor** No information available  
**Odor threshold** No information available

| Property                                | Values             | Remarks • Method |
|-----------------------------------------|--------------------|------------------|
| pH                                      | No data available  | None known       |
| pH (as aqueous solution)                |                    | None known       |
| Melting point / freezing point          | No data available  | None known       |
| Initial boiling point and boiling range | No data available  | None known       |
| Flash point                             | -96.1 °C / -141 °F | None known       |
| Evaporation rate                        | No data available  | None known       |
| Flammability                            | No data available  | None known       |
| Flammability Limit in Air               |                    | None known       |
| Upper flammability or explosive         | No data available  |                  |

|                                        |                   |            |
|----------------------------------------|-------------------|------------|
| limits                                 |                   |            |
| Lower flammability or explosive limits | No data available |            |
| Vapor pressure                         | No data available | None known |
| Relative vapor density                 | No data available | None known |
| Relative density                       | 0.86              | None known |
| Water solubility                       | No data available | None known |
| Solubility(ies)                        | No data available | None known |
| Partition coefficient                  | No data available | None known |
| Autoignition temperature               | No data available | None known |
| Decomposition temperature              |                   | None known |
| Kinematic viscosity                    | No data available | None known |
| Dynamic viscosity                      | No data available | None known |

**Other information**

|                            |                          |
|----------------------------|--------------------------|
| Explosive properties       | No information available |
| Oxidizing properties       | No information available |
| Softening point            | No information available |
| Molecular weight           | No information available |
| VOC content                | No information available |
| Liquid Density             | 7.15 lbs/gal             |
| Bulk density               | No information available |
| Percent solids by weight   | 31.5%                    |
| Percent volatile by weight | 68.5%                    |
| Percent solids by volume   | 16.2%                    |
| Actual VOC (lbs/gal)       | 3.0                      |
| Actual VOC (grams/liter)   | 353                      |
| EPA VOC (lbs/gal)          | 4.2                      |
| EPA VOC (grams/liter)      | 499                      |

**10. Stability and reactivity**

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Reactivity                         | No information available.                 |
| Chemical stability                 | Stable under normal conditions.           |
| Possibility of hazardous reactions | None under normal processing.             |
| Conditions to avoid                | None known based on information supplied. |
| Incompatible materials             | None known based on information supplied. |
| Hazardous decomposition products   | None known based on information supplied. |

**11. Toxicological information****Information on likely routes of exposure****Product Information**

|              |                                                                                                                                                                            |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness. May be harmful if inhaled. |
| Eye contact  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.              |
| Skin contact | Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.                                |
| Ingestion    | Specific test data for the substance or mixture is not available. Ingestion may cause                                                                                      |

gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

#### Acute toxicity

#### Numerical measures of toxicity

The following ATE values have been calculated for the mixture

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 2,519.20 mg/kg  |
| ATEmix (dermal)               | 13,494.50 mg/kg |
| ATEmix (inhalation-gas)       | 407,103.40 ppm  |
| ATEmix (inhalation-vapor)     | 76.10 mg/l      |
| ATEmix (inhalation-dust/mist) | 8.729 mg/l      |

#### Component Information

| Chemical name                                      | Oral LD50              | Dermal LD50              | Inhalation LC50                       |
|----------------------------------------------------|------------------------|--------------------------|---------------------------------------|
| Acetone<br>67-64-1                                 | = 5800 mg/kg ( Rat )   | > 15700 mg/kg ( Rabbit ) | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| Propane<br>74-98-6                                 | -                      | -                        | > 800000 ppm ( Rat ) 15 min           |
| Propylene Glycol Methyl Ether Acetate<br>108-65-6  | = 8532 mg/kg ( Rat )   | > 5 g/kg ( Rabbit )      | = 16000 mg/m <sup>3</sup> ( Rat ) 6 h |
| Barium sulfate<br>7727-43-7                        | = 307000 mg/kg ( Rat ) | -                        | -                                     |
| Butane<br>106-97-8                                 | -                      | -                        | = 658 g/m <sup>3</sup> ( Rat ) 4 h    |
| Methyl N-Propyl Ketone<br>107-87-9                 | = 1600 mg/kg ( Rat )   | = 6480 mg/kg ( Rat )     | 2000 - 4000 ppm ( Rat ) 4 h           |
| Dimethyl Carbonate<br>616-38-6                     | = 13 g/kg ( Rat )      | > 5 g/kg ( Rabbit )      | > 5.36 mg/L ( Rat ) 4 h               |
| Xylene<br>1330-20-7                                | = 3500 mg/kg ( Rat )   | > 4350 mg/kg ( Rabbit )  | = 29.08 mg/L ( Rat ) 4 h              |
| Toluene<br>108-88-3                                | = 5000 mg/kg ( Rat )   | = 12000 mg/kg ( Rabbit ) | = 12.5 mg/L ( Rat ) 4 h               |
| Titanium dioxide<br>13463-67-7                     | > 2000 mg/kg ( Rat )   | -                        | > 5.09 mg/L ( Rat ) 4 h               |
| Aromatic 100<br>64742-95-6                         | = 8400 mg/kg ( Rat )   | > 2000 mg/kg ( Rabbit )  | = 3400 ppm ( Rat ) 4 h                |
| 1,2,4-Trimethylbenzene<br>95-63-6                  | = 3280 mg/kg ( Rat )   | > 3440 mg/kg ( Rat )     | = 18 g/m <sup>3</sup> ( Rat ) 4 h     |
| Hydrodesulfurized heavy pet. naphtha<br>64742-82-1 | > 5000 mg/kg ( Rat )   | > 4 mL/kg ( Rat )        | -                                     |
| Ethyl Benzene<br>100-41-4                          | = 3500 mg/kg ( Rat )   | = 15400 mg/kg ( Rabbit ) | = 17.4 mg/L ( Rat ) 4 h               |
| Zirconium octoate<br>22464-99-9                    | > 5000 mg/kg ( Rat )   | -                        | -                                     |
| Methyl Isobutyl Ketone<br>108-10-1                 | = 2080 mg/kg ( Rat )   | = 3000 mg/kg ( Rabbit )  | 2000 - 4000 ppm ( Rat ) 4 h           |

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

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** Contains a known or suspected mutagen. Classification based on data available for ingredients. May cause genetic defects.

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name                      | ACGIH                                                             | IARC                                                        | NTP | OSHA    |
|------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------|-----|---------|
| Acetone<br>67-64-1                 | A4 - Not Classifiable as a Human Carcinogen                       | -                                                           | -   | -       |
| Xylene<br>1330-20-7                | A4 - Not Classifiable as a Human Carcinogen                       | Group 3 -<br>Unclassifiable as to carcinogenicity in humans | -   | -       |
| Toluene<br>108-88-3                | A4 - Not Classifiable as a Human Carcinogen                       | Group 3 -<br>Unclassifiable as to carcinogenicity in humans | -   | -       |
| Titanium dioxide<br>13463-67-7     | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans | Group 2B - Possibly carcinogenic to humans                  | -   | Present |
| 1,2,4-Trimethylbenzene<br>95-63-6  | A4 - Not Classifiable as a Human Carcinogen                       | -                                                           | -   | -       |
| Ethyl Benzene<br>100-41-4          | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans | Group 2B - Possibly carcinogenic to humans                  | -   | Present |
| Zirconium octoate<br>22464-99-9    | A4 - Not Classifiable as a Human Carcinogen                       | -                                                           | -   | -       |
| Methyl Isobutyl Ketone<br>108-10-1 | A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans | Group 2B - Possibly carcinogenic to humans                  | -   | Present |

**Reproductive toxicity** Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

**STOT - single exposure** May cause drowsiness or dizziness.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

## Ecotoxicity

Harmful to aquatic life.

| Chemical name                                     | Algae/aquatic plants                                                                                                            | Fish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Toxicity to microorganisms | Crustacea                                                                                                    |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------|
| Acetone<br>67-64-1                                | -                                                                                                                               | LC50: 4.74 - 6.33mL/L (96h, <i>Oncorhynchus mykiss</i> )<br>LC50: 6210 - 8120mg/L (96h, <i>Pimephales promelas</i> )<br>LC50: =8300mg/L (96h, <i>Lepomis macrochirus</i> )                                                                                                                                                                                                                                                                                                                                                                                                               | -                          | EC50: 10294 - 17704mg/L (48h, <i>Daphnia magna</i> )<br>EC50: 12600 - 12700mg/L (48h, <i>Daphnia magna</i> ) |
| Propylene Glycol Methyl Ether Acetate<br>108-65-6 | -                                                                                                                               | LC50: =161mg/L (96h, <i>Pimephales promelas</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                          | EC50: >500mg/L (48h, <i>Daphnia magna</i> )                                                                  |
| Methyl N-Propyl Ketone<br>107-87-9                | -                                                                                                                               | LC50: 1190 - 1290mg/L (96h, <i>Pimephales promelas</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                          | -                                                                                                            |
| Dimethyl Carbonate<br>616-38-6                    | -                                                                                                                               | LC50: >=100mg/L (96h, <i>Danio rerio</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                          | -                                                                                                            |
| Xylene<br>1330-20-7                               | EC50: =11mg/L (72h, <i>Pseudokirchneriella subcapitata</i> )                                                                    | LC50: =13.4mg/L (96h, <i>Pimephales promelas</i> )<br>LC50: 2.661 - 4.093mg/L (96h, <i>Oncorhynchus mykiss</i> )<br>LC50: 13.5 - 17.3mg/L (96h, <i>Oncorhynchus mykiss</i> )<br>LC50: 13.1 - 16.5mg/L (96h, <i>Lepomis macrochirus</i> )<br>LC50: =19mg/L (96h, <i>Lepomis macrochirus</i> )<br>LC50: 7.711 - 9.591mg/L (96h, <i>Lepomis macrochirus</i> )<br>LC50: 23.53 - 29.97mg/L (96h, <i>Pimephales promelas</i> )<br>LC50: =780mg/L (96h, <i>Cyprinus carpio</i> )<br>LC50: >780mg/L (96h, <i>Cyprinus carpio</i> )<br>LC50: 30.26 - 40.75mg/L (96h, <i>Poecilia reticulata</i> ) | -                          | EC50: =3.82mg/L (48h, water flea)<br>LC50: =0.6mg/L (48h, <i>Gammarus lacustris</i> )                        |
| Toluene<br>108-88-3                               | EC50: >433mg/L (96h, <i>Pseudokirchneriella subcapitata</i> )<br>EC50: =12.5mg/L (72h, <i>Pseudokirchneriella subcapitata</i> ) | LC50: 15.22 - 19.05mg/L (96h, <i>Pimephales promelas</i> )<br>LC50: =12.6mg/L (96h, <i>Pimephales promelas</i> )<br>LC50: 5.89 - 7.81mg/L (96h, <i>Oncorhynchus mykiss</i> )<br>LC50: 14.1 - 17.16mg/L (96h, <i>Oncorhynchus mykiss</i> )<br>LC50: =5.8mg/L (96h, <i>Oncorhynchus mykiss</i> )<br>LC50: 11.0 - 15.0mg/L (96h, <i>Lepomis</i> )                                                                                                                                                                                                                                           | -                          | EC50: 5.46 - 9.83mg/L (48h, <i>Daphnia magna</i> )<br>EC50: =11.5mg/L (48h, <i>Daphnia magna</i> )           |

|                                    |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                        |   |                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------|
|                                    |                                                                                                                                                                                                                                                                           | macrochirus)<br>LC50: =54mg/L (96h,<br>Oryzias latipes)<br>LC50: =28.2mg/L (96h,<br>Poecilia reticulata)<br>LC50: 50.87 -<br>70.34mg/L (96h,<br>Poecilia reticulata)                                                                                                                                                   |   |                                             |
| Aromatic 100<br>64742-95-6         | -                                                                                                                                                                                                                                                                         | LC50: =9.22mg/L (96h,<br>Oncorhynchus mykiss)                                                                                                                                                                                                                                                                          | - | EC50: =6.14mg/L (48h,<br>Daphnia magna)     |
| 1,2,4-Trimethylbenzene<br>95-63-6  | -                                                                                                                                                                                                                                                                         | LC50: 7.19 - 8.28mg/L<br>(96h, Pimephales<br>promelas)                                                                                                                                                                                                                                                                 | - | EC50: =6.14mg/L (48h,<br>Daphnia magna)     |
| Ethyl Benzene<br>100-41-4          | EC50: =4.6mg/L (72h,<br>Pseudokirchneriella<br>subcapitata)<br>EC50: >438mg/L (96h,<br>Pseudokirchneriella<br>subcapitata)<br>EC50: 2.6 - 11.3mg/L<br>(72h,<br>Pseudokirchneriella<br>subcapitata)<br>EC50: 1.7 - 7.6mg/L<br>(96h,<br>Pseudokirchneriella<br>subcapitata) | LC50: 11.0 - 18.0mg/L<br>(96h, Oncorhynchus<br>mykiss)<br>LC50: =4.2mg/L (96h,<br>Oncorhynchus mykiss)<br>LC50: 7.55 - 11mg/L<br>(96h, Pimephales<br>promelas)<br>LC50: =32mg/L (96h,<br>Lepomis macrochirus)<br>LC50: 9.1 - 15.6mg/L<br>(96h, Pimephales<br>promelas)<br>LC50: =9.6mg/L (96h,<br>Poecilia reticulata) | - | EC50: 1.8 - 2.4mg/L<br>(48h, Daphnia magna) |
| Methyl Isobutyl Ketone<br>108-10-1 | EC50: =400mg/L (96h,<br>Pseudokirchneriella<br>subcapitata)                                                                                                                                                                                                               | LC50: 496 - 514mg/L<br>(96h, Pimephales<br>promelas)                                                                                                                                                                                                                                                                   | - | EC50: =170mg/L (48h,<br>Daphnia magna)      |

**Persistence and degradability** No information available.

#### Bioaccumulative potential

| Chemical name                                     | Partition coefficient |
|---------------------------------------------------|-----------------------|
| Acetone<br>67-64-1                                | -0.24                 |
| Propane<br>74-98-6                                | 1.09                  |
| Propylene Glycol Methyl Ether Acetate<br>108-65-6 | 1.2                   |
| Butane<br>106-97-8                                | 2.31                  |
| Methyl N-Propyl Ketone<br>107-87-9                | 0.857                 |
| Dimethyl Carbonate<br>616-38-6                    | 0.354                 |
| Xylene<br>1330-20-7                               | 3.15                  |
| Toluene<br>108-88-3                               | 2.73                  |
| 1,2,4-Trimethylbenzene<br>95-63-6                 | 3.63                  |
| Ethyl Benzene<br>100-41-4                         | 3.6                   |
| Methyl Isobutyl Ketone<br>108-10-1                | 1.9                   |

Other adverse effects No information available.

### 13. Disposal considerations

#### Disposal methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

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

### 14. Transport information

#### DOT

**UN number or ID number** UN1950  
**Proper shipping name** Aerosols  
**Transport hazard class(es)** 2.1  
**Reportable Quantity (RQ)** (Acetone: RQ (kg)= 2270.00, Xylene: RQ (kg)= 45.40) Acetone: RQ (lb)= 5000.00, Xylene: RQ (lb)= 100.00  
**Reportable quantity (kg) (calculated)** Acetone: RQ (kg)= 12935.17, Xylene: RQ (kg)= 4210.29  
**Reportable quantity (lbs) (calculated)** Acetone: RQ (lb)= 28492.00, Xylene: RQ (lb)= 9274.00  
**Special Provisions** N82  
**DOT Marine Pollutant** NP  
**Description** UN1950, Aerosols, 2.1

#### TDG

**UN number or ID number** UN1950  
**UN proper shipping name** Aerosols  
**Transport hazard class(es)** 2.1  
**Special Provisions** 80, 107  
**Description** UN1950, Aerosols, 2.1

#### MEX

**UN number or ID number** UN1950  
**UN proper shipping name** Aerosols  
**Transport hazard class(es)** 2.1  
**Description** UN1950, Aerosols, 2.1  
**Special Provisions** 190, 277, 327, 344, 63, 381

#### ICAO (air)

**UN number or ID number** UN1950  
**UN proper shipping name** Aerosols  
**Transport hazard class(es)** 2.1  
**Description** UN1950, Aerosols, 2.1  
**Special Provisions** A145, A167

#### IATA

**UN number or ID number** UN1950  
**UN proper shipping name** Aerosols, flammable  
**Transport hazard class(es)** 2.1  
**Description** UN1950, Aerosols, flammable, 2.1  
**Special Provisions** A145, A167, A802

**IMDG**

|                            |                                 |
|----------------------------|---------------------------------|
| UN number or ID number     | UN1950                          |
| UN proper shipping name    | Aerosols                        |
| Transport hazard class(es) | 2.1                             |
| EmS-No.                    | F-D, S-U                        |
| Special Provisions         | 63,190, 277, 327, 344, 381, 959 |
| Marine pollutant           | NP                              |
| Description                | UN1950, Aerosols, 2.1           |

**15. Regulatory information****International Inventories**

TSCA Complies

|               |                                                   |
|---------------|---------------------------------------------------|
| DSL/NDL       | Complies                                          |
| EINECS/ELINCS | Contact supplier for inventory compliance status. |
| ENCS          | Contact supplier for inventory compliance status. |
| IECSC         | .                                                 |
| KECL          | Contact supplier for inventory compliance status. |
| PICCS         | Contact supplier for inventory compliance status. |
| AIC           | Contact supplier for inventory compliance status. |
| NZIoC         | Contact supplier for inventory compliance status. |

**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

**NZIoC** - New Zealand Inventory of Chemicals

**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 % |
|-----------------------------------|-------------------------------|
| Barium sulfate - 7727-43-7        | 1.0                           |
| Ethyl Benzene - 100-41-4          | 0.1                           |
| Methyl Isobutyl Ketone - 108-10-1 | 0.1                           |

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as 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 |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Xylene        | 100 lb                      | -                      | -                         | X                          |

|                           |         |   |   |   |
|---------------------------|---------|---|---|---|
| 1330-20-7                 |         |   |   |   |
| Toluene<br>108-88-3       | 1000 lb | X | X | X |
| Ethyl Benzene<br>100-41-4 | 1000 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   | Extremely Hazardous Substances RQs | Reportable Quantity (RQ)                   |
|------------------------------------|----------------------------|------------------------------------|--------------------------------------------|
| Acetone<br>67-64-1                 | 5000 lb /<br>kg (final RQ) | -                                  | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Xylene<br>1330-20-7                | 100 lb /<br>kg (final RQ)  | -                                  | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ  |
| Toluene<br>108-88-3                | 1000 lb /<br>kg (final RQ) | -                                  | RQ 1000 lb final RQ<br>RQ 454 kg final RQ  |
| Ethyl Benzene<br>100-41-4          | 1000 lb /<br>kg (final RQ) | -                                  | RQ 1000 lb final RQ<br>RQ 454 kg final RQ  |
| Methyl Isobutyl Ketone<br>108-10-1 | 5000 lb /<br>kg (final RQ) | -                                  | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

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

This product contains the following Proposition 65 chemicals:.

| Chemical name                                      | California Proposition 65                                               |
|----------------------------------------------------|-------------------------------------------------------------------------|
| Toluene - 108-88-3                                 | Developmental                                                           |
| Titanium dioxide - 13463-67-7                      | Carcinogen                                                              |
| Ethyl Benzene - 100-41-4                           | Carcinogen                                                              |
| Methyl Isobutyl Ketone - 108-10-1                  | Carcinogen                                                              |
|                                                    | Developmental                                                           |
| Crystalline Silica - 14808-60-7                    | Carcinogen                                                              |
| Cumene - 98-82-8                                   | Carcinogen                                                              |
| Methanol - 67-56-1                                 | Developmental                                                           |
| Acetaldehyde - 75-07-0                             | Carcinogen                                                              |
| Naphthalene - 91-20-3                              | Carcinogen                                                              |
| Benzene(including benzene from gasoline) - 71-43-2 | Carcinogen<br>Developmental<br>Male Reproductive                        |
| 1,4-Dioxane - 123-91-1                             | Carcinogen                                                              |
| Methyl chloride (Chloromethane) - 74-87-3          | Developmental<br>Male Reproductive                                      |
| Sulfur dioxide - 7446-09-5                         | Developmental                                                           |
| Ethanol - 64-17-5                                  | Carcinogen<br>Developmental                                             |
| Lead - 7439-92-1                                   | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive |
| Mercury - 7439-97-6                                | Developmental                                                           |
| Nickel - 7440-02-0                                 | Carcinogen                                                              |
| Cadmium - 7440-43-9                                | Carcinogen<br>Developmental<br>Male Reproductive                        |

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

| Chemical name                             | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------------------|------------|---------------|--------------|
| Acetone<br>67-64-1                        | X          | X             | X            |
| Propane<br>74-98-6                        | X          | X             | X            |
| Barium sulfate<br>7727-43-7               | X          | X             | X            |
| Butane<br>106-97-8                        | X          | X             | X            |
| Methyl N-Propyl Ketone<br>107-87-9        | X          | X             | X            |
| Dimethyl Carbonate<br>616-38-6            | X          | X             | X            |
| Xylene<br>1330-20-7                       | X          | X             | X            |
| Toluene<br>108-88-3                       | X          | X             | X            |
| Titanium dioxide<br>13463-67-7            | X          | X             | X            |
| Silica, precipitated<br>112926-00-8       | X          | X             | X            |
| 1,2,4-Trimethylbenzene<br>95-63-6         | X          | X             | X            |
| Ethyl Benzene<br>100-41-4                 | X          | X             | X            |
| Magnesium oxide<br>1309-48-4              | X          | X             | X            |
| Methyl Isobutyl Ketone<br>108-10-1        | X          | X             | X            |
| Crystalline Silica<br>14808-60-7          | X          | X             | X            |
| Synthetic Paraffin<br>8002-74-2           | X          | X             | X            |
| Cobalt 2-ethylhexanoate<br>136-52-7       | X          | -             | X            |
| C.I. Pigment Green 7<br>1328-53-6         | X          | -             | X            |
| Stoddard Solvent<br>8052-41-3             | X          | X             | X            |
| Cumene<br>98-82-8                         | X          | X             | X            |
| Isobutyl Alcohol<br>78-83-1               | X          | X             | X            |
| Propylene Glycol<br>57-55-6               | X          | -             | X            |
| Methanol<br>67-56-1                       | X          | X             | X            |
| Naphthenic Acid<br>1338-24-5              | X          | X             | X            |
| Diethylene Glycol Butyl Ether<br>112-34-5 | X          | -             | X            |
| Nonane<br>111-84-2                        | X          | X             | X            |
| Copper<br>7440-50-8                       | X          | X             | X            |
| n-Butanol<br>71-36-3                      | X          | X             | X            |
| Propionic Acid<br>79-09-4                 | X          | X             | X            |

|                                                        |   |   |   |
|--------------------------------------------------------|---|---|---|
| Acetaldehyde<br>75-07-0                                | X | X | X |
| 2-Ethylhexanoic acid<br>149-57-5                       | X | - | - |
| Naphthalene<br>91-20-3                                 | X | X | X |
| Benzene(including benzene from<br>gasoline)<br>71-43-2 | X | X | X |
| 1,4-Dioxane<br>123-91-1                                | X | X | X |
| Methyl chloride (Chloromethane)<br>74-87-3             | X | X | X |
| Sulfur dioxide<br>7446-09-5                            | X | X | X |
| Ethanol<br>64-17-5                                     | X | X | X |
| Lead<br>7439-92-1                                      | X | X | X |
| Mercury<br>7439-97-6                                   | X | X | X |
| Nickel<br>7440-02-0                                    | X | X | X |
| Antimony<br>7440-36-0                                  | X | X | X |
| Arsenic<br>7440-38-2                                   | X | X | X |
| Cadmium<br>7440-43-9                                   | X | X | X |
| Chromium<br>7440-47-3                                  | X | X | X |

**U.S. EPA Label Information****EPA Pesticide Registration Number** Not applicable**Other Regulations****REACH/RoHS**

| Chemical name                                      | Weight % of REACH<br>Restriction if >0.1% <sup>[1]</sup> | Weight % of REACH SVHC if<br>>0.1% <sup>[2]</sup> | Weight % of RoHS if > % in<br>regulation <sup>[3]</sup> |
|----------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|
| Butane<br>106-97-8                                 | 6.95                                                     | --                                                | --                                                      |
| Toluene<br>108-88-3                                | 0.78                                                     | --                                                | --                                                      |
| Aromatic 100<br>64742-95-6                         | 0.54                                                     | --                                                | --                                                      |
| Hydrodesulfurized heavy pet. naphtha<br>64742-82-1 | 0.24                                                     | --                                                | --                                                      |

**REACH/RoHS References**

[1] - REACH (1907/2006) Annex XVII - Restrictions on Certain Dangerous Substances - June 2, 2025 (REACH Restriction)

[2] - REACH (1907/2006) Article 59(1) - Candidate List of Substances of Very High Concern for Authorisation - February 4, 2026 (REACH SVHC)

[3] - RoHS (2011/65/EU) - Hazardous Substances Restricted or Prohibited in Electrical Equipment - March 13, 2024 (RoHS)

**Hazardous Air Pollutants (HAPs)**

LIST OF HAZARDOUS AIR POLLUTANTS SUBJECT TO THE PROVISIONS OF THE CLEAN AIR ACT, TITLE I SECTION 112 'National Emission Standards for Hazardous Air Pollutants' (present if listed in Section 3):

| Chemical name                      | Weight % of HAPS in Product | Pounds HAPS / Gal Product |
|------------------------------------|-----------------------------|---------------------------|
| Xylene<br>1330-20-7                | 0.86                        | 0.06                      |
| Toluene<br>108-88-3                | 0.78                        | 0.06                      |
| Ethyl Benzene<br>100-41-4          | 0.20                        | 0.01                      |
| Methyl Isobutyl Ketone<br>108-10-1 | 0.11                        | 0.01                      |

**16. Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitizers                 |      |                                  |

**Key literature references and sources for data used to compile the SDS**

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
 International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
 United Nations World Health Organization (WHO)

**Revision date** 04-Jun-2026

**Revision Note** No information available.

**Disclaimer**

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**End of Safety Data Sheet**