# SAFETY DATA SHEET

**Revision Date** 13-Apr-2020 **Version** 2

## 1. IDENTIFICATION

**Product identifier**
**Product Name** VAN DYKE BROWN STAIN

**Other means of identification**
**Product Code** 17-640-025
**UN/ID no** UN1263
**SKU(s)** 17-640-025, 17-640-100, 17-640-500

**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**
**Manufacturer Address**
Diamond Vogel
1020 Albany Place SE
Orange City, IA 51041
Phone: (712) 737-4993
Fax: (712) - 737-4997
**Emergency telephone number**
**Emergency Telephone** Infotrac 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

**Classification**

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

| | |
|---|---|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2 |
| Skin sensitization | Category 1 |
| Germ cell mutagenicity | Category 1B |
| Carcinogenicity | Category 1A |
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 3 |

**Emergency Overview**

**Danger**

**Hazard statements**
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May be fatal if swallowed and enters airways
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
Wash face, hands and any exposed skin thoroughly after handling
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, hot surfaces, sparks, open flames and other ignition sources. 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 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 skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
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**
• May be harmful in contact with skin
• Toxic to aquatic life with long lasting effects
• Toxic to aquatic life
Unknown acute toxicity 0.34% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No | Weight-% | Trade Secret |
|---|---|---|---|
| Aromatic 100 | 64742-95-6 | 30 - 60 | * |
| 1,2,4-Trimethylbenzene | 95-63-6 | 10 - 30 | * |
| Mineral Spirits | 64742-48-9 | 3 - 7 | * |
| Solvent Naphtha, Medium Aliphatic | 64742-88-7 | 3 - 7 | * |
| Mineral Spirits (Rule 66) | 64742-47-8 | 3 - 7 | * |
| Xylene | 1330-20-7 | 1 - 5 | * |

| | | | |
|---|---|---|---|
| Iron (III) oxide, as Fe | 1309-37-1 | 1 - 5 | * |
| Solvent Naphtha, Light Aliphatic | 64742-89-8 | 1 - 5 | * |
| Kaolin | 1332-58-7 | 1 - 5 | * |
| Ethyl Benzene | 100-41-4 | 1 - 5 | * |
| Methyl Ethyl Ketoxime | 96-29-7 | 0.1 - 1 | * |
| Cumene | 98-82-8 | 0.1 - 1 | * |
| Crystalline Silica | 14808-60-7 | 0.1 - 1 | * |
| Stoddard Solvent | 8052-41-3 | 0.1 - 1 | * |
| Octane | 111-65-9 | 0.1 - 1 | * |
| Heptane | 142-82-5 | 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**

**General advice** If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a physician immediately. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician.

**Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician immediately. Artificial respiration and/or oxygen may be necessary. Move to fresh air in case of accidental inhalation of vapors.

**Ingestion** Do NOT induce vomiting. Rinse mouth. If symptoms persist, call a physician. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Call a physician.

**Self-protection of the first aider** Use personal protective equipment as required.

**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** Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 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. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers.

**Incompatible materials** Chlorinated compounds.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** .

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| 1,2,4-Trimethylbenzene<br>95-63-6 | - | - | TWA: 25 ppm<br>TWA: 125 mg/m³ |
| Xylene<br>1330-20-7 | STEL: 150 ppm<br>TWA: 100 ppm | TWA: 100 ppm<br>TWA: 435 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m³<br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 655 mg/m³ | - |
| Iron (III) oxide, as Fe<br>1309-37-1 | TWA: 5 mg/m³ respirable particulate matter | TWA: 10 mg/m³ fume<br>TWA: 15 mg/m³ total dust<br>TWA: 5 mg/m³ respirable fraction<br>(vacated) TWA: 10 mg/m³ fume and total dust Iron oxide<br>(vacated) TWA: 5 mg/m³ respirable fraction regulated under Rouge | IDLH: 2500 mg/m³ Fe dust and fume<br>TWA: 5 mg/m³ Fe dust and fume |
| Kaolin | TWA: 2 mg/m³ particulate matter | TWA: 15 mg/m³ total dust | TWA: 10 mg/m³ total dust |

| | | | |
|---|---|---|---|
| 1332-58-7 | containing no asbestos and <1% crystalline silica, respirable particulate matter | TWA: 5 mg/m³ respirable fraction<br>(vacated) TWA: 10 mg/m³ total dust<br>(vacated) TWA: 5 mg/m³ respirable fraction | TWA: 5 mg/m³ respirable dust |
| Ethyl Benzene<br>100-41-4 | TWA: 20 ppm | TWA: 100 ppm<br>TWA: 435 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m³<br>(vacated) STEL: 125 ppm<br>(vacated) STEL: 545 mg/m³ | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 435 mg/m³<br>STEL: 125 ppm<br>STEL: 545 mg/m³ |
| Cumene<br>98-82-8 | TWA: 50 ppm | TWA: 50 ppm<br>TWA: 245 mg/m³<br>(vacated) TWA: 50 ppm<br>(vacated) TWA: 245 mg/m³<br>(vacated) S*<br>S* | IDLH: 900 ppm<br>TWA: 50 ppm<br>TWA: 245 mg/m³ |
| Crystalline Silica<br>14808-60-7 | TWA: 0.025 mg/m³ respirable particulate matter | TWA: 50 µg/m³ TWA: 50 µg/m³ excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays<br>(vacated) TWA: 0.1 mg/m³ respirable dust<br>: (250)/(%SiO2 + 5) mppcf TWA respirable fraction<br>: (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction | IDLH: 50 mg/m³ respirable dust<br>TWA: 0.05 mg/m³ respirable dust |
| Stoddard Solvent<br>8052-41-3 | TWA: 100 ppm | TWA: 500 ppm<br>TWA: 2900 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 525 mg/m³ | IDLH: 20000 mg/m³<br>Ceiling: 1800 mg/m³ 15 min<br>TWA: 350 mg/m³ |
| Octane<br>111-65-9 | TWA: 300 ppm | TWA: 500 ppm<br>TWA: 2350 mg/m³<br>(vacated) TWA: 300 ppm<br>(vacated) TWA: 1450 mg/m³<br>(vacated) STEL: 375 ppm<br>(vacated) STEL: 1800 mg/m³ | IDLH: 1000 ppm<br>Ceiling: 385 ppm 15 min<br>Ceiling: 1800 mg/m³ 15 min<br>TWA: 75 ppm<br>TWA: 350 mg/m³ |
| Heptane<br>142-82-5 | STEL: 500 ppm<br>TWA: 400 ppm | TWA: 500 ppm<br>TWA: 2000 mg/m³<br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 1600 mg/m³<br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 2000 mg/m³ | IDLH: 750 ppm<br>Ceiling: 440 ppm 15 min<br>Ceiling: 1800 mg/m³ 15 min<br>TWA: 85 ppm<br>TWA: 350 mg/m³ |

*NIOSH 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** Tight sealing safety goggles. Face protection shield.

**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** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical state** | Liquid | | |
| **Appearance** | No information available | **Odor** | No information available |
| **Color** | No information available | **Odor threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | No information available | |
| **Melting point / freezing point** | No information available | |
| **Boiling point / boiling range** | >= 110 °C / 230 °F | |
| **Flash point** | 26 °C / 79 °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** | 0.94 | |
| **Water solubility** | No information available | |
| **Solubility in other solvents** | No information available | |
| **Partition coefficient** | No information available | |
| **Autoignition temperature** | No information available | |
| **Decomposition temperature** | No information available | |
| **Kinematic viscosity** | No information available | |
| **Dynamic viscosity** | No information available | |
| **Explosive properties** | No information available | |
| **Oxidizing properties** | No information available | |

**Other Information**

| | |
|---|---|
| **Softening point** | No information available |
| **Molecular weight** | No information available |
| **Liquid Density** | 7.86 lbs/gal |
| **Bulk density** | No information available |
| **Percent solids by weight** | 20.7% |
| **Percent volatile by weight** | 79.2% |
| **Percent solids by volume** | 12.1% |
| **Actual VOC (lbs/gal)** | 6.2 |
| **Actual VOC (grams/liter)** | 745.5 |
| **EPA VOC (lbs/gal)** | 6.2 |
| **EPA VOC (grams/liter)** | 746.2 |
| **EPA VOC (lb/gal solids)** | 51.2 |

## 10. STABILITY AND REACTIVITY

**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**
Chlorinated compounds.

**Hazardous decomposition products**
Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** No data available

**Inhalation** No data available.

**Eye contact** No data available.

**Skin Contact** No data available.

**Ingestion** No data available.

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| 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 ) | > 3160 mg/kg ( Rabbit ) | = 18 g/m³ ( Rat ) 4 h |
| Mineral Spirits<br>64742-48-9 | > 6000 mg/kg ( Rat ) | > 3160 mg/kg ( Rabbit ) | > 8500 mg/m³ ( Rat ) 4 h |
| Solvent Naphtha, Medium Aliphatic<br>64742-88-7 | > 25 mL/kg ( Rat ) | > 3000 mg/kg ( Rabbit ) | > 13 mg/L ( Rat ) 4 h |
| Mineral Spirits (Rule 66)<br>64742-47-8 | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 5.2 mg/L ( Rat ) 4 h |
| Xylene<br>1330-20-7 | = 3500 mg/kg ( Rat ) | > 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit ) | = 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h |
| Iron (III) oxide, as Fe<br>1309-37-1 | > 10000 mg/kg ( Rat ) | - | - |
| Solvent Naphtha, Light Aliphatic<br>64742-89-8 | - | = 3000 mg/kg ( Rabbit ) | - |
| Kaolin<br>1332-58-7 | > 5000 mg/kg (Rat) | > 5000 mg/kg ( Rat ) | - |
| Ethyl Benzene<br>100-41-4 | = 3500 mg/kg ( Rat ) | = 15400 mg/kg ( Rabbit ) | = 17.4 mg/L ( Rat ) 4 h |
| Methyl Ethyl Ketoxime<br>96-29-7 | = 930 mg/kg ( Rat ) | 1000 - 1800 mg/kg ( Rabbit ) | > 4.83 mg/L ( Rat ) 4 h |
| Cumene<br>98-82-8 | = 1400 mg/kg ( Rat ) | = 12300 µL/kg ( Rabbit ) | = 39000 mg/m³ ( Rat ) 4 h > 3577 ppm ( Rat ) 6 h |
| Crystalline Silica<br>14808-60-7 | > 22,500 mg/kg (Rat) | - | - |
| Stoddard Solvent<br>8052-41-3 | > 5000 mg/kg (Rat) | > 3000 mg/kg (Rabbit) | - |
| Octane<br>111-65-9 | - | - | = 118 g/m³ ( Rat ) 4 h = 25260 ppm ( Rat ) 4 h > 23.36 mg/L ( Rat ) 4 h |
| Heptane<br>142-82-5 | - | = 3000 mg/kg ( Rabbit ) | = 103 g/m³ ( Rat ) 4 h |

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

**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 |
|---|---|---|---|---|
| Xylene | - | Group 3 | - | - |

| | | | | |
|---|---|---|---|---|
| 1330-20-7 | | | | |
| Iron (III) oxide, as Fe<br>1309-37-1 | - | Group 3 | - | - |
| Ethyl Benzene<br>100-41-4 | A3 | Group 2B | - | X |
| Cumene<br>98-82-8 | - | Group 2B | Reasonably Anticipated | X |
| Crystalline Silica<br>14808-60-7 | A2 | Group 1 | Known | X |

*ACGIH (American Conference of Governmental Industrial Hygienists)*
*A2 - Suspected Human Carcinogen*
*A3 - Animal Carcinogen*
*IARC (International Agency for Research on Cancer)*
*Group 2B - Possibly Carcinogenic to Humans*
*Group 3 - Not classifiable as a human carcinogen*
*Group 1 - Carcinogenic to Humans*
*NTP (National Toxicology Program)*
*Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*
*Known - Known Carcinogen*
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*
*X - Present*

**Reproductive toxicity** No information available.
**STOT - single exposure** No information available.
**STOT - repeated exposure** No information available.
**Chronic toxicity** Avoid repeated exposure. May cause adverse effects on the bone marrow and blood-forming system. 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** blood, Central nervous system, Eyes, kidney, 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

1.91% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|---|
| Aromatic 100<br>64742-95-6 | - | 9.22: 96 h Oncorhynchus mykiss mg/L LC50 | 6.14: 48 h Daphnia magna mg/L EC50 |
| 1,2,4-Trimethylbenzene<br>95-63-6 | - | 7.19 - 8.28: 96 h Pimephales promelas mg/L LC50 flow-through | 6.14: 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 |
| Solvent Naphtha, Medium Aliphatic<br>64742-88-7 | 450: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 800: 96 h Pimephales promelas mg/L LC50 static | 100: 48 h Daphnia magna mg/L EC50 |
| Mineral Spirits (Rule 66)<br>64742-47-8 | - | 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static | 4720: 96 h Den-dronereides heteropoda mg/L LC50 |
| Xylene<br>1330-20-7 | - | 13.4: 96 h Pimephales promelas mg/L LC50 flow-through 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 23.53 - 29.97: 96 | 3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50 |

| | | | |
|---|---|---|---|
| | | h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 19: 96 h Lepomis macrochirus mg/L LC50 | |
| Iron (III) oxide, as Fe<br>1309-37-1 | - | 100000: 96 h Danio rerio mg/L LC50 static | - |
| Solvent Naphtha, Light Aliphatic<br>64742-89-8 | 4700: 72 h Pseudokirchneriella subcapitata mg/L EC50 | - | - |
| Ethyl Benzene<br>100-41-4 | 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 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 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus 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 |
| Methyl Ethyl Ketoxime<br>96-29-7 | 83: 72 h Desmodesmus subspicatus mg/L EC50 | 760: 96 h Poecilia reticulata mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through | 750: 48 h Daphnia magna mg/L EC50 |
| Cumene<br>98-82-8 | 2.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 | 6.04 - 6.61: 96 h Pimephales promelas mg/L LC50 flow-through 4.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 2.7: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 5.1: 96 h Poecilia reticulata mg/L LC50 semi-static | 7.9 - 14.1: 48 h Daphnia magna mg/L EC50 Static 0.6: 48 h Daphnia magna mg/L EC50 |
| Octane<br>111-65-9 | - | - | 0.38: 48 h water flea mg/L EC50 |
| Heptane<br>142-82-5 | - | 375.0: 96 h Cichlid fish mg/L LC50 | 10: 24 h Daphnia magna mg/L EC50 |

**Persistence and degradability**
No information available.

**Bioaccumulation**
No information available.

| Chemical name | Partition coefficient |
|---|---|
| 1,2,4-Trimethylbenzene<br>95-63-6 | 3.63 |
| Xylene<br>1330-20-7 | 2.77 - 3.15 |
| Ethyl Benzene<br>100-41-4 | 3.2 |
| Methyl Ethyl Ketoxime<br>96-29-7 | 0.65 |
| Cumene<br>98-82-8 | 3.7 |
| Octane<br>111-65-9 | 5.18 |
| Heptane<br>142-82-5 | 4.66 |

**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 U055 U154 U239

| Chemical name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---|---|---|---|---|
| Xylene<br>1330-20-7 | - | Included in waste stream:<br>F039 | - | U239 |
| Ethyl Benzene<br>100-41-4 | - | Included in waste stream:<br>F039 | - | - |
| Cumene<br>98-82-8 | - | - | - | U055 |

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 |
|---|---|
| Xylene<br>1330-20-7 | Toxic<br>Ignitable |
| Ethyl Benzene<br>100-41-4 | Toxic<br>Ignitable |
| Cumene<br>98-82-8 | Toxic<br>Ignitable |
| Octane<br>111-65-9 | Toxic<br>Ignitable |
| Heptane<br>142-82-5 | Toxic<br>Ignitable |

## 14. TRANSPORT INFORMATION

**DOT**

**UN/ID no** UN1263
**Proper shipping name** Paint
**Hazard class** 3
**Packing Group** III
**Reportable Quantity (RQ)** (Xylene: RQ (kg)= 45.40)
**Special Provisions** B1, B52, IB3, T2, TP1, TP29
**Description** UN1263, Paint, 3, III
**Emergency Response Guide Number** 128

**TDG**

**UN/ID no** UN1263
**Proper shipping name** Paint
**Hazard class** 3
**Packing Group** III
**Special Provisions** 59, 83
**Description** UN1263, Paint, 3, III

**MEX**

**UN/ID no** UN1263
**Proper shipping name** Paint
**Hazard class** 3
**Special Provisions** 163, 223
**Packing Group** III
**Description** UN1263, Paint, 3, III

**ICAO (air)**

**UN/ID no** UN1263
**Proper shipping name** Paint
**Hazard class** 3

| | |
|---|---|
| **Packing Group** | III |
| **Special Provisions** | A3, A72 |
| **Description** | UN1263, Paint, 3, III |

**IATA**

| | |
|---|---|
| **UN Number** | UN1263 |
| **Proper shipping name** | Paint |
| **Transport hazard class(es)** | 3 |
| **Packing Group** | III |
| **ERG Code** | 3L |
| **Special Provisions** | A3, A72 |
| **Description** | UN1263, Paint, 3, III |

**IMDG**

| | |
|---|---|
| **UN Number** | UN1263 |
| **Transport hazard class(es)** | 3 |
| **Packing Group** | III |
| **EmS-No** | F-E, S-E |
| **Special Provisions** | 163, 223, 955 |
| **Description** | UN1263, Paint, 3, III, (26°C c.c.) |

**RID**

| | |
|---|---|
| **UN/ID no** | UN1263 |
| **Proper shipping name** | Paint |
| **Transport hazard class(es)** | 3 |
| **Packing Group** | III |
| **Classification code** | F1 |
| **Special Provisions** | 163, 640E, 650 |
| **Description** | UN1263, Paint, 3, III |
| **Labels** | 3 |

**ADR**

| | |
|---|---|
| **UN Number** | UN1263 |
| **Proper shipping name** | Paint |
| **Transport hazard class(es)** | 3 |
| **Packing Group** | III |
| **Classification code** | F1 |
| **Tunnel restriction code** | (D/E) |
| **Special Provisions** | 163, 640E, 650 |
| **Description** | UN1263, Paint, 3, III, (D/E) |
| **Labels** | 3 |

**ADN**

| | |
|---|---|
| **Proper shipping name** | Paint |
| **Transport hazard class(es)** | 3 |
| **Packing Group** | III |
| **Classification code** | F1 |
| **Special Provisions** | 163, 640E, 650 |
| **Description** | UN1263, Paint, 3, III |
| **Hazard label(s)** | 3 |
| **Limited quantity (LQ)** | 5 L |
| **Ventilation** | VE01 |
| **Equipment Requirements** | PP, EX, A |

## 15. REGULATORY INFORMATION

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | 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/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

## 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 % |
|---|---|
| 1,2,4-Trimethylbenzene | 1.0 |
| Xylene | 1.0 |
| Ethyl Benzene | 0.1 |
| Cumene | 0.1 |

### SARA 311/312 Hazard Categories

| | |
|---|---|
| **Acute health hazard** | Yes |
| **Chronic Health Hazard** | Yes |
| **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 |
|---|---|---|---|---|
| Xylene<br>1330-20-7 | 100 lb | - | - | 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 | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|---|---|---|
| Xylene<br>1330-20-7 | 100 lb | - | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |
| Ethyl Benzene<br>100-41-4 | 1000 lb | - | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |
| Cumene<br>98-82-8 | 5000 lb | - | 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 |
|---|---|
| Ethyl Benzene - 100-41-4 | Carcinogen |
| Cumene - 98-82-8 | Carcinogen |
| Crystalline Silica - 14808-60-7 | Carcinogen |
| Methanol - 67-56-1 | Developmental |
| Toluene - 108-88-3 | Developmental |

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

| Chemical name | New Jersey | Massachusetts |
|---|---|---|
| 1,2,4-Trimethylbenzene<br>95-63-6 | X | X |
| Xylene<br>1330-20-7 | X | X |
| Iron (III) oxide, as Fe<br>1309-37-1 | X | X |
| Kaolin | X | X |

| | | |
|---|---|---|
| 1332-58-7 | | |
| Ethyl Benzene<br>100-41-4 | X | X |
| Cumene<br>98-82-8 | X | X |
| Crystalline Silica<br>14808-60-7 | X | X |
| Octane<br>111-65-9 | X | X |
| Heptane<br>142-82-5 | X | X |

| Chemical name | Pennsylvania |
|---|---|
| 1,2,4-Trimethylbenzene<br>95-63-6 | X |
| Xylene<br>1330-20-7 | X |
| Iron (III) oxide, as Fe<br>1309-37-1 | X |
| Kaolin<br>1332-58-7 | X |
| Ethyl Benzene<br>100-41-4 | X |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**Hazardous air pollutants (HAPS) content**

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 individually at 1% by weight, or greater):

| Chemical name | Weight % of HAPS in Product | Pounds HAPS / Gal Product |
|---|---|---|
| Xylene<br>1330-20-7 | 3.53% | 0.28 |
| Ethyl Benzene<br>100-41-4 | 1.08% | 0.08 |

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

**NFPA** **Health hazards** 2 **Flammability** 3 **Instability** 0 **Physical and chemical properties** -

**HMIS** **Health hazards** 2 * **Flammability** 3 **Physical hazards** 0 **Personal protection** X

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

**Revision Date** 13-Apr-2020

**Revision Note**

No information available

**Disclaimer**

**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.**

**End of Safety Data Sheet**