



# SAFETY DATA SHEET

Issuing Date 01-May-2014

Revision Date 01-May-2014

Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Dykem Opaque Stain - all colors

### Other means of identification

**Part Number** Black (81724), Dark Blue (81478, 81778), Light Blue (81725), Dark Green (81706 , 81806), Light Green (81708), Orange (81413, 81713), Pink (81760), Purple (81763), Red (81491, 81791), White (81427, 81727, 81827), Yellow (81405, 81705)

**Formula Code** Black (8718D1), Dark Blue (8719D1), Light Blue (8720D1), Dark Green (8939), Light Green (8940), Orange (8941), Pink (8726D2), Purple (8732D2), Red (8727D2), White (8728D1), Yellow (8938)

**UN-Number** UN1263

**Synonyms** Dykem Opaque Staining colors

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

**Recommended Use** Staining Colors

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

ITW Pro Brands  
805 E. Old 56 Highway  
Olathe, KS 66061  
TEL: 1-800-443-9536

### Emergency telephone number

**Emergency Telephone Number** 800-535-5053 Infotrac

## 2. HAZARDS IDENTIFICATION


### Classification

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

|                                   |            |
|-----------------------------------|------------|
| Skin Corrosion/Irritation         | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 1 |

|   |            |
|---|------------|
| Specific Target Organ Systemic Toxicity (Single Exposure) | Category 3 |
| Flammable liquids   | Category 2 |

**GHS Label elements, including precautionary statements****Emergency Overview**

|   |                               |                            |  |
|---|-------------------------------|----------------------------|--|
| <b>Signal Word</b><br><b>Hazard Statements</b>  | <b>Danger</b>                 |                            |  |
| <ul style="list-style-type: none"> <li>• Causes skin irritation</li> <li>• Causes serious eye damage</li> <li>• May cause respiratory irritation</li> <li>• May cause drowsiness or dizziness</li> <li>•</li> <li>• Highly flammable liquid and vapor.</li> </ul> |                               |                            |  |
|    |                               |                            |  |
| <b>Appearance</b> Color: Varies, Thin viscosity,  | <b>Physical State</b> Liquid. | <b>Odor</b> Sweet, Solvent |  |

**Precautionary Statements****Prevention**

- Keep away from heat/sparks/open flames/hot surfaces - No smoking
- Keep container tightly closed
- Keep cool
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

- Immediately call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin**

- Wash contaminated clothing before reuse
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- If skin irritation occurs: Get medical advice/attention.

**Inhalation**

- Call a POISON CENTER or doctor/physician if you feel unwell
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Fire**

- In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Storage**

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

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information****3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms**

Dykem Opaque Staining colors

| Chemical Name   | CAS-No     | Weight % | Trade secret |
|---|------------|----------|--------------|
| n-Butyl acetate   | 123-86-4   | 30-60    | *            |
| Ethanol   | 64-17-5    | 10-30    | *            |
| n-Butyl alcohol   | 71-36-3    | 10-30    | *            |
| Ethyl acetate   | 141-78-6   | 7-13     | *            |
| Titanium dioxide  | 13463-67-7 | 7-13     | *            |
| Carbon black  | 1333-86-4  | 3-7      | *            |
| Isopropyl alcohol   | 67-63-0    | 1-5      | *            |
| Benzoic acid,<br>2-[(2-hydroxy-3,6-disulfo-1-naphthalenyl)azo]-,<br>barium salt (2:3) | 15782-06-6 | 1-5      | *            |
| n-Propyl acetate  | 109-60-4   | 1-5      | *            |

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

**4. FIRST AID MEASURES****Description of necessary first-aid measures****General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician.

**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.

**Skin Contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If symptoms persist, call a physician.

**Protection of First-aiders**

Use personal protective equipment. Remove all sources of ignition.

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

**Most Important Symptoms/Effects** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary****Notes to Physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks).

### Explosion Data

**Sensitivity to Mechanical Impact**

None.

**Sensitivity to Static Discharge**

Yes.

### Protective Equipment and Precautions for Firefighters

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

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

Remove all sources of ignition. Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material.

### Environmental Precautions

#### **Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### Methods and materials for containment and cleaning up

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for Cleaning Up**

Small spillage: Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large spillage: Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### **Handling**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. Do not breathe vapors or spray mist. Ensure adequate ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

#### **Storage**

Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep product and empty container away from heat and sources of ignition. Keep away from incompatible materials.

**Incompatible Products** Strong oxidizing agents. Strong acids. Strong reducing agents. Strong alkalis.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

### **Exposure Guidelines**

| Chemical Name   | ACGIH TLV                     | OSHA PEL   | NIOSH IDLH  |
|---|-------------------------------|--|---|
| n-Butyl acetate<br>123-86-4   | STEL: 200 ppm<br>TWA: 150 ppm | TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>(vacated) TWA: 150 ppm<br>(vacated) TWA: 710 mg/m <sup>3</sup><br>(vacated) STEL: 200 ppm<br>(vacated) STEL: 950 mg/m <sup>3</sup>   | IDLH: 1700 ppm<br>TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 950 mg/m <sup>3</sup>  |
| Ethanol<br>64-17-5  | STEL: 1000 ppm                | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>   | IDLH: 3300 ppm 10% LEL<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup>  |
| n-Butyl alcohol<br>71-36-3  | TWA: 20 ppm                   | TWA: 100 ppm<br>TWA: 300 mg/m <sup>3</sup><br>(vacated) S*<br>(vacated) Ceiling: 50 ppm<br>(vacated) Ceiling: 150 mg/m <sup>3</sup>  | IDLH: 1400 ppm<br>Ceiling: 50 ppm<br>Ceiling: 150 mg/m <sup>3</sup>   |
| Ethyl acetate<br>141-78-6   | TWA: 400 ppm                  | TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 1400 mg/m <sup>3</sup>   | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 1400 mg/m <sup>3</sup>   |
| Titanium dioxide<br>13463-67-7  | TWA: 10 mg/m <sup>3</sup>     | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust   | IDLH: 5000 mg/m <sup>3</sup>  |
| Carbon black<br>1333-86-4   | TWA: 3.5 mg/m <sup>3</sup>    | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>   | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH |
| Isopropyl alcohol<br>67-63-0  | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup>  | IDLH: 2000 ppm 10% LEL<br>TWA: 980 mg/m <sup>3</sup><br>TWA: 400 ppm<br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup>                                     |
| Benzoic acid,<br>2-[(2-hydroxy-3,6-disulfo-1-naphthalenyl)az<br>o]-, barium salt (2:3)<br>15782-06-6                  | TWA: 0.5 mg/m <sup>3</sup> Ba | TWA: 0.5 mg/m <sup>3</sup> Ba<br>(vacated) TWA: 0.5 mg/m <sup>3</sup> Ba   | TWA: 0.5 mg/m <sup>3</sup> except Barium sulfate Ba   |
| n-Propyl acetate<br>109-60-4  | STEL: 250 ppm<br>TWA: 200 ppm | TWA: 200 ppm<br>TWA: 840 mg/m <sup>3</sup><br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 840 mg/m <sup>3</sup><br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 1050 mg/m <sup>3</sup>  | IDLH: 1700 ppm<br>TWA: 200 ppm<br>TWA: 840 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 1050 mg/m <sup>3</sup>   |
| Triphenyl phosphate<br>115-86-6   | TWA: 3 mg/m <sup>3</sup>      | TWA: 3 mg/m <sup>3</sup><br>(vacated) TWA: 3 mg/m <sup>3</sup>   | IDLH: 1000 mg/m <sup>3</sup><br>TWA: 3 mg/m <sup>3</sup>  |
| Propylene glycol monomethyl ether<br>107-98-2   | STEL: 150 ppm<br>TWA: 100 ppm | (vacated) TWA: 100 ppm<br>(vacated) TWA: 360 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 540 mg/m <sup>3</sup>   | TWA: 100 ppm<br>TWA: 360 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 540 mg/m <sup>3</sup>  |
| Diacetone alcohol<br>123-42-2   | TWA: 50 ppm                   | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 50 ppm<br>(vacated) TWA: 240 mg/m <sup>3</sup>   | IDLH: 1800 ppm<br>TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup>   |
| Xanthylum,9-(2-carboxyphenyl)-3,6-bis(diet<br>hyl amino)-,<br>hydrogenbis[3-[(4,5-dihydro-3-methyl-5...<br>84962-27-6 | -                             | (vacated) Ceiling: 0.1 mg/m <sup>3</sup><br>Ceiling: 0.1 mg/m <sup>3</sup> CrO <sub>3</sub> applies to any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is stayed or is otherwise not in effect | IDLH: 15 mg/m <sup>3</sup> Cr(VI)<br>TWA: 0.001 mg/m <sup>3</sup> Cr  |

*Immediately Dangerous to Life or Health. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH:*

**Other Exposure Guidelines** 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 Measures** Showers  
Eyewash stations  
Ventilation systems

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

**Eye/Face Protection** If splashes are likely to occur, wear: Chemical splash goggles.  
**Skin and Body Protection** Impervious clothing. Chemical resistant gloves  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                |                       |                               |
|-----------------------|----------------|-----------------------|-------------------------------|
| <b>Physical State</b> | Liquid         | <b>Appearance</b>     | Color: Varies Thin viscosity, |
| <b>Odor</b>           | Sweet, Solvent | <b>Odor Threshold</b> | No information available      |

| <u>Property</u>                               | <u>Values</u>              | <u>Remarks/ - Method</u> |
|---|----------------------------|--------------------------|
| <b>pH</b>                                     | No data available          | None known               |
| <b>Melting Point/Range</b>                    | No data available          | None known               |
| <b>Boiling Point/Boiling Range</b>            | 76.667-125 °C / 170-257 °F | None known               |
| <b>Flash Point</b>                            | -4.444 °C / 24 °F          | None known               |
| <b>Evaporation rate</b>                       | < 1 (BuAc = 1)             | None known               |
| <b>Flammability (solid, gas)</b>              | No data available          | None known               |
| <b>Flammability Limits in Air</b>             |                            |                          |
| <b>upper flammability limit</b>               | No data available          |                          |
| <b>lower flammability limit</b>               | No data available          |                          |
| <b>Vapor Pressure</b>                         | No data available          | None known               |
| <b>Vapor Density</b>                          | > 1 (air = 1)              | None known               |
| <b>Specific Gravity</b>                       | No data available.         | None known               |
| <b>Water Solubility</b>                       | Negligible                 | None known               |
| <b>Solubility in other solvents</b>           | No data available          | None known               |
| <b>Partition coefficient: n-octanol/water</b> | No data available          | None known               |
| <b>Autoignition Temperature</b>               | No data available          | None known               |
| <b>Decomposition Temperature</b>              | No data available          | None known               |
| <b>Viscosity</b>                              | No data available          | None known               |

**Flammable Properties** HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.

**Explosive Properties** No data available  
**Oxidizing Properties** No data available

### Other information

|                        |                         |
|------------------------|-------------------------|
| <b>VOC Content (%)</b> | 8718D1 Black: 87.44%    |
|                        | 8719D1 Dk Blue: 83.54%  |
|                        | 8720D1 Lt Blue: 81.85%  |
|                        | 8939 Dk Green: 87.49%   |
|                        | 8940 Lt Green: 86.57%   |
|                        | 8941 Orange: 84.96%     |
|                        | 8726D2 Pink: 80.21%     |
|                        | 8732D2 Purple: 84.36%   |
|                        | 8727D2 Red: 87.95%      |
|                        | 8728D1 White: 80.24%    |
|                        | 8938 Yellow: 86.36%     |
| <b>VOC (g/l)</b>       | 8718D1 Black: 772 g/L   |
|                        | 8719D1 Dk Blue: 765 g/L |
|                        | 8720D1 Lt Blue: 766 g/L |
|                        | 8939 Dk Green: 777 g/L  |
|                        | 8940 Lt Green: 775 g/L  |
|                        | 8941 Orange: 761 g/L    |
|                        | 8726D2 Pink: 798 g/L    |
|                        | 8732D2 Purple: 773 g/L  |
|                        | 8727D2 Red: 780 g/L     |
|                        | 8728D1 White: 754 g/L   |
|                        | 8938 Yellow: 771 g/L    |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Hazardous Polymerization

None under normal processing.

### Conditions to avoid

Heat, flames and sparks. Incompatible products.

### Incompatible materials

Strong oxidizing agents. Strong acids. Strong reducing agents. Strong alkalis.

### Hazardous decomposition products

Nitrogen oxides (NOx). Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Smoke

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

##### **Inhalation**

May cause irritation of respiratory tract. May cause drowsiness and dizziness.

##### **Eye Contact**

Causes serious eye damage.

##### **Skin Contact**

Causes skin irritation.

**Ingestion**

May be harmful if swallowed. Ingestion may cause nausea and vomiting.

| Chemical Name     | LD50 Oral             | LD50 Dermal                                    | LC50 Inhalation          |
|-------------------|-----------------------|--|--------------------------|
| n-Butyl acetate   | = 10768 mg/kg ( Rat ) | > 17600 mg/kg ( Rabbit )                       | = 391 ppm ( Rat ) 4 h    |
| Ethanol           | = 7060 mg/kg ( Rat )  | -  | = 124.7 mg/L ( Rat ) 4 h |
| n-Butyl alcohol   | = 790 mg/kg ( Rat )   | = 3400 mg/kg ( Rabbit )                        | = 8000 ppm ( Rat ) 4 h   |
| Ethyl acetate     | = 5620 mg/kg ( Rat )  | > 20 mL/kg ( Rabbit ) > 18000 mg/kg ( Rabbit ) | -                        |
| Titanium dioxide  | > 10000 mg/kg ( Rat ) | -  | -                        |
| Carbon black      | > 15400 mg/kg ( Rat ) | > 3 g/kg ( Rabbit )                            | -                        |
| Isopropyl alcohol | = 4396 mg/kg ( Rat )  | 12800 mg/kg ( Rat )<br>12870 mg/kg ( Rabbit )  | 72.6 mg/L ( Rat ) 4 h    |
| n-Propyl acetate  | = 9370 mg/kg ( Rat )  | > 17760 mg/kg ( Rabbit )                       | -                        |

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

No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure****Sensitization**

No information available.

**Mutagenic Effects**

No information available.

**Carcinogenicity**

Ethanol has been shown to be carcinogenic in long-term studies only when consumed and abused as an alcoholic beverage. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

| Chemical Name     | ACGIH | IARC     | NTP   | OSHA |
|-------------------|-------|----------|-------|------|
| Ethanol           | A3    | Group 1  | Known | X    |
| Titanium dioxide  |       | Group 2B | -     | -    |
| Carbon black      | A3    | Group 2B | -     | X    |
| Isopropyl alcohol |       | Group 3  |       | X    |

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3: Not Classifiable as to its Carcinogenicity to Humans

**NTP: (National Toxicity Program)**

Known - Known Carcinogen

**OSHA: (Occupational Safety & Health Administration)**

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 liver effects. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. May cause adverse effects on the bone marrow and blood-forming system. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

**Target Organ Effects**

Respiratory system. Eyes. Skin. Central nervous system (CNS). Peripheral Nervous System (PNS)

**Aspiration Hazard**

No information available.

**Numerical measures of toxicity - Product***The following values are calculated based on chapter 3.1 of the GHS document:*

|             |             |
|-------------|-------------|
| LD50 Oral   | 2158 mg/kg  |
| LD50 Dermal | 13697 mg/kg |



|           |            |
|-----------|------------|
| dust/mist | 18.2 mg/L  |
| Vapor     | 134.2 mg/L |

## 12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name                | Toxicity to Algae  | Toxicity to Fish   | Toxicity to Microorganisms  | Daphnia Magna (Water Flea)   |
|------------------------------|--|--|---|--|
| n-Butyl acetate<br>123-86-4  | EC50 72 h: = 674.7 mg/L<br>(Desmodesmus subspicatus)   | LC50 96 h: 17 - 19 mg/L<br>flow-through (Pimephales<br>promelas) LC50 96 h: = 100<br>mg/L static (Lepomis<br>macrochirus) LC50 96 h: =<br>62 mg/L static (Leuciscus<br>idus)   | EC50 = 70.0 mg/L 5 min<br>EC50 = 82.2 mg/L 15 min<br>EC50 = 959 mg/L 18 h<br>EC50 = 98.9 mg/L 30 min  | EC50 24 h: = 72.8 mg/L<br>(Daphnia magna)  |
| Ethanol<br>64-17-5           |  | LC50 96 h: 12.0 - 16.0<br>mL/L static (Oncorhynchus<br>mykiss) LC50 96 h: > 100<br>mg/L static (Pimephales<br>promelas) LC50 96 h:<br>13400 - 15100 mg/L<br>flow-through (Pimephales<br>promelas)  | EC50 = 34634 mg/L 30 min<br>EC50 = 35470 mg/L 5 min   | LC50 48 h: 9268 - 14221<br>mg/L (Daphnia magna)<br>EC50 24 h: = 10800 mg/L<br>(Daphnia magna) EC50 48<br>h: = 2 mg/L Static (Daphnia<br>magna) |
| n-Butyl alcohol<br>71-36-3   | EC50 96 h: > 500 mg/L<br>(Desmodesmus subspicatus)<br>EC50 72 h: > 500 mg/L<br>(Desmodesmus subspicatus)   | LC50 96 h: 1730 - 1910<br>mg/L static (Pimephales<br>promelas) LC50 96 h: =<br>1740 mg/L flow-through<br>(Pimephales promelas) LC50<br>96 h: 100000 - 500000 µg/L<br>static (Lepomis macrochirus)<br>LC50 96 h: = 1910000 µg/L<br>static (Pimephales promelas) | EC50 = 2041.4 mg/L 5 min<br>EC50 = 2186 mg/L 30 min<br>EC50 = 3980 mg/L 24 h<br>EC50 = 4400 mg/L 17 h | EC50 48 h: = 1983 mg/L<br>(Daphnia magna) EC50 48<br>h: 1897 - 2072 mg/L Static<br>(Daphnia magna)   |
| Ethyl acetate<br>141-78-6    | EC50 48 h: = 3300 mg/L<br>(Desmodesmus subspicatus)  | LC50 96 h: 220 - 250 mg/L<br>flow-through (Pimephales<br>promelas) LC50 96 h: = 484<br>mg/L flow-through<br>(Oncorhynchus mykiss)<br>LC50 96 h: 352 - 500 mg/L<br>semi-static (Oncorhynchus<br>mykiss)   | EC50 = 1180 mg/L 5 min<br>EC50 = 1500 mg/L 15 min<br>EC50 = 5870 mg/L 15 min<br>EC50 = 7400 mg/L 2 h  | EC50 48 h: = 560 mg/L<br>Static (Daphnia magna)  |
| Carbon black<br>1333-86-4    |  |  |   | EC50 24 h: > 5600 mg/L<br>(Daphnia magna)  |
| Isopropyl alcohol<br>67-63-0 | EC50 96 h: > 1000 mg/L<br>(Desmodesmus subspicatus)<br>EC50 72 h: > 1000 mg/L<br>(Desmodesmus subspicatus) | LC50 96 h: = 11130 mg/L<br>static (Pimephales promelas)<br>LC50 96 h: = 9640 mg/L<br>flow-through (Pimephales<br>promelas)<br>LC50 96 h: > 1400000 µg/L<br>(Lepomis macrochirus)   |   | EC50 48 h: = 13299 mg/L<br>(Daphnia magna)   |
| n-Propyl acetate<br>109-60-4 |  | LC50 96 h: 56-64 mg/L<br>flow-through (Pimephales<br>promelas)<br>LC50 96 h: 56-64 mg/L<br>static (Pimephales promelas)  |   | EC50 24 h: = 318 mg/L<br>(Daphnia magna)   |

**Persistence and Degradability** No information available.

### **Bioaccumulation**

| Chemical Name     | Log Pow |
|-------------------|---------|
| n-Butyl acetate   | 1.81    |
| Ethanol           | -0.32   |
| n-Butyl alcohol   | 0.785   |
| Ethyl acetate     | 0.6     |
| Isopropyl alcohol | 0.05    |

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations**Contaminated Packaging** Do not re-use empty containers.**US EPA Waste Number** D001  
U031

| Chemical Name             | RCRA | RCRA - Basis for Listing          | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------------|------|-----------------------------------|------------------------|------------------------|
| n-Butyl alcohol - 71-36-3 |      | Included in waste stream:<br>F039 |                        | U031                   |
| Ethyl acetate - 141-78-6  |      | Included in waste stream:<br>F039 |                        | U112                   |

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

| Chemical Name     | California Hazardous Waste |
|-------------------|----------------------------|
| n-Butyl acetate   | Toxic                      |
| Ethanol           | Toxic<br>Ignitable         |
| n-Butyl alcohol   | Toxic                      |
| Ethyl acetate     | Toxic<br>Ignitable         |
| Isopropyl alcohol | Toxic<br>Ignitable         |
| n-Propyl acetate  | Toxic<br>Ignitable         |

**14. TRANSPORT INFORMATION****DOT**

**UN-Number** UN1263  
**Proper shipping name** Paint  
**Hazard Class** 3  
**Packing Group** II  
**Reportable Quantity (RQ)** n-Butyl acetate: RQ kg= 5141.85, Ethyl acetate: RQ kg= 21597.45, 1-Butanol: RQ kg= 14073.64  
**Marine Pollutant** This product contains a chemical which is listed as a severe marine pollutant according to DOT.  
**Description** UN1263, Paint, 3, II, RQ  
**Emergency Response Guide Number** 128

**TDG**

**UN-Number** UN1263  
**Proper Shipping Name** Paint  
**Hazard Class** 3  
**Packing Group** II  
**Marine Pollutant** This product contains a chemical which is listed as a severe marine pollutant according to TDG.  
**Description** UN1263, Paint, 3, II

**MEX**

**UN-Number** UN1263  
**Proper Shipping Name** Paint  
**Hazard Class** 3  
**Packing Group** II

|                                |                                       |
|--------------------------------|---------------------------------------|
| <b>Description</b>             | UN1263, Paint, 3, II                  |
| <b>ICAO</b>                    |                                       |
| <b>UN-Number</b>               | UN1263                                |
| <b>Proper shipping name</b>    | Paint                                 |
| <b>Hazard Class</b>            | 3                                     |
| <b>Packing Group</b>           | II                                    |
| <b>Description</b>             | UN1263, Paint, 3, II                  |
| <b>IATA</b>                    |                                       |
| <b>UN-Number</b>               | UN1263                                |
| <b>Proper Shipping Name</b>    | Paint                                 |
| <b>Hazard Class</b>            | 3                                     |
| <b>Packing Group</b>           | II                                    |
| <b>ERG Code</b>                | 3L                                    |
| <b>Description</b>             | UN1263, Paint, 3, II                  |
| <b>IMDG/IMO</b>                |                                       |
| <b>UN-Number</b>               | UN1263                                |
| <b>Proper Shipping Name</b>    | Paint                                 |
| <b>Hazard Class</b>            | 3                                     |
| <b>Packing Group</b>           | II                                    |
| <b>EmS No.</b>                 | F-E, S-E                              |
| <b>Description</b>             | UN1263, Paint, 3, II, (-4.444°C c.c.) |
| <b>RID</b>                     |                                       |
| <b>UN-Number</b>               | UN1263                                |
| <b>Proper Shipping Name</b>    | Paint                                 |
| <b>Hazard Class</b>            | 3                                     |
| <b>Packing Group</b>           | II                                    |
| <b>Classification Code</b>     | F1                                    |
| <b>Description</b>             | UN1263, Paint, 3, II                  |
| <b>ADR</b>                     |                                       |
| <b>UN-Number</b>               | UN1263                                |
| <b>Proper Shipping Name</b>    | Paint                                 |
| <b>Hazard Class</b>            | 3                                     |
| <b>Packing Group</b>           | II                                    |
| <b>Classification Code</b>     | F1                                    |
| <b>Tunnel Restriction Code</b> | (D/E)                                 |
| <b>Description</b>             | UN1263, Paint, 3, II, (D/E)           |
| <b>ADR/RID-Labels</b>          | 3                                     |
| <b>ADN</b>                     |                                       |
| <b>Proper Shipping Name</b>    | Paint                                 |
| <b>Hazard Class</b>            | 3                                     |
| <b>Packing Group</b>           | II                                    |
| <b>Classification Code</b>     | F1                                    |
| <b>Special Provisions</b>      | 163, 640C, 650                        |
| <b>Description</b>             | UN1263, Paint, 3, II                  |
| <b>Limited Quantity</b>        | 5 L                                   |
| <b>Ventilation</b>             | VE01                                  |

## 15. REGULATORY INFORMATION

### International Inventories

|              |          |
|--------------|----------|
| <b>TSCA</b>  | Complies |
| <b>IECSC</b> | -        |

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### U.S. Federal Regulations

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   | CAS-No     | Weight % | SARA 313 - Threshold Values % |
|---|------------|----------|-------------------------------|
| n-Butyl alcohol   | 71-36-3    | 10-30    | 1.0                           |
| Isopropyl alcohol   | 67-63-0    | 1-5      | 1.0                           |
| Benzoic acid,<br>2-[(2-hydroxy-3,6-disulfo-1-naphthalenyl)azo]-, barium salt<br>(2:3) | 15782-06-6 | 1-5      | 1.0                           |

### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | Yes |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

### 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 |
|-----------------|-----------------------------|------------------------|---------------------------|----------------------------|
| n-Butyl acetate | 5000 lb                     |                        |                           | 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 | RQ   |
|-----------------|--------------------------|------------------------------------|--|
| n-Butyl acetate | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| n-Butyl alcohol | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |
| Ethyl acetate   | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

### U.S. State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

| Chemical Name    | CAS-No     | California Prop. 65 |
|------------------|------------|---------------------|
| Ethanol          | 64-17-5    | Developmental       |
| Titanium dioxide | 13463-67-7 | Carcinogen          |
| Carbon black     | 1333-86-4  | Carcinogen          |

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

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|------------------|------------|---------------|--------------|----------|--------------|
| n-Butyl acetate  | X          | X             | X            |          | X            |
| Ethanol          | X          | X             | X            |          |              |
| n-Butyl alcohol  | X          | X             | X            |          | X            |
| Ethyl acetate    | X          | X             | X            |          | X            |
| Titanium dioxide |            | X             |              |          | X            |
| Nitrocellulose   | X          | X             | X            |          | X            |
| Carbon black     | X          | X             | X            | X        | X            |

|                                   |   |   |   |  |   |
|-----------------------------------|---|---|---|--|---|
| Isopropyl alcohol                 | X | X | X |  | X |
| n-Propyl acetate                  | X | X | X |  | X |
| Triphenyl phosphate               | X | X | X |  | X |
| Propylene glycol monomethyl ether | X | X | X |  | X |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

|                    |               |   |              |   |                 |   |                               |   |
|--------------------|---------------|---|--------------|---|-----------------|---|-------------------------------|---|
| <b><u>NFPA</u></b> | Health Hazard | 2 | Flammability | 3 | Instability     | 0 | Physical and Chemical Hazards | - |
| <b><u>HMIS</u></b> | Health Hazard | 2 | Flammability | 3 | Physical Hazard | 0 | Personal Protection           | B |

Prepared By Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

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**General Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**