SAFETY DATA SHEET

1. Identification

Product identifier

Dykem® Transparent Stain Bulk - Steel Blue, Steel Red, and Black

Other means of identification

Part Number

Dk Blue - Steel Blue (80200, 80300, 80400, 80600, 80700), Red - Steel Red (80296, 80396, 80496, 80696), Black (81731)

Synonyms

FORMULA CODE(S): * Dk Blue - Steel Blue (8706), Red - Steel Red (8705), Black (8749)

Recommended use

Staining colors

Recommended restrictions

None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name

ITW Pro Brands

Address

805 E. Old 56 Highway
Olathe, KS 66061

Country

(U.S.A.)

Tel: +1 800-443-9536

In Case of Emergency

1-800-535-5053 (Infotrac)

2. Hazard(s) identification

Physical hazards

Flammable liquids Category 2

Health hazards

Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Carcinogenicity Category 2
Specific target organ toxicity, single exposure Category 3 narcotic effects

Environmental hazards

Not classified.

OSHA defined hazards

Not classified.

Label elements

Signal word

Danger

Hazard statement

Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness. Suspected of causing cancer.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage

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

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Repeated exposure may cause skin dryness or cracking.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td></td>
<td>64-17-5</td>
<td>25 - 55</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td></td>
<td>123-86-4</td>
<td>10 - 25</td>
</tr>
<tr>
<td>Butanol Normal</td>
<td></td>
<td>71-36-3</td>
<td>3 - 17</td>
</tr>
<tr>
<td>Diacetone Alcohol</td>
<td></td>
<td>123-42-2</td>
<td>1 - 10</td>
</tr>
<tr>
<td>Cellulose Nitrate</td>
<td></td>
<td>9004-70-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Isopropanol</td>
<td></td>
<td>67-63-0</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Propyl Acetate</td>
<td></td>
<td>109-60-4</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Solvent Red 160</td>
<td></td>
<td>70851-41-1</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Triphenyl Phosphate</td>
<td></td>
<td>115-86-6</td>
<td>1 - 3</td>
</tr>
<tr>
<td>Basic Green 4</td>
<td></td>
<td>18015-76-4</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Basic Violet 1</td>
<td></td>
<td>83968-28-9</td>
<td>0.1 - 1</td>
</tr>
<tr>
<td>Oxidized Castor Oil</td>
<td></td>
<td>68187-84-8</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

4. First-aid measures

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

Skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards Highly flammable liquid and vapor.
6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

**Precautions for safe handling**
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not get this material in contact with eyes. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**
Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

**Occupational exposure limits**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butanol Normal (CAS 71-36-3)</td>
<td>PEL</td>
<td>300 mg/m3</td>
</tr>
<tr>
<td>Butyl Acetate (CAS 123-86-4)</td>
<td>PEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Diacetone Alcohol (CAS 123-42-2)</td>
<td>PEL</td>
<td>710 mg/m3</td>
</tr>
<tr>
<td>Diacetone Alcohol (CAS 123-42-2)</td>
<td>PEL</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Ethanol (CAS 64-17-5)</td>
<td>PEL</td>
<td>240 mg/m3</td>
</tr>
<tr>
<td>Isopropanol (CAS 67-63-0)</td>
<td>PEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Propyl Acetate (CAS 109-60-4)</td>
<td>PEL</td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>PEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>PEL</td>
<td>980 mg/m3</td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>PEL</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>PEL</td>
<td>840 mg/m3</td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>PEL</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>PEL</td>
<td>3 mg/m3</td>
</tr>
</tbody>
</table>

Material name: Dykem® Transparent Stain Bulk - Steel Blue, Steel Red, and Black
Dk Blue - Steel Blue (80200, 80300, 80400, 80600, 80700), Red - Steel Red (80296, 80396, 80496, 80696), Black (81731)
<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butanol Normal (CAS 71-36-3)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>Butyl Acetate (CAS 123-86-4)</td>
<td>STEL</td>
<td>150 ppm</td>
<td></td>
</tr>
<tr>
<td>Diacetone Alcohol (CAS 123-42-2)</td>
<td>TWA</td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td>Ethanol (CAS 64-17-5)</td>
<td>STEL</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>Isopropanol (CAS 67-63-0)</td>
<td>STEL</td>
<td>400 ppm</td>
<td></td>
</tr>
<tr>
<td>Propyl Acetate (CAS 109-60-4)</td>
<td>TWA</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>TWA</td>
<td>3 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butanol Normal (CAS 71-36-3)</td>
<td>Ceiling</td>
<td>150 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Butyl Acetate (CAS 123-86-4)</td>
<td>STEL</td>
<td>950 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Diacetone Alcohol (CAS 123-42-2)</td>
<td>TWA</td>
<td>240 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Ethanol (CAS 64-17-5)</td>
<td>TWA</td>
<td>1900 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Isopropanol (CAS 67-63-0)</td>
<td>STEL</td>
<td>1225 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Propyl Acetate (CAS 109-60-4)</td>
<td>STEL</td>
<td>1050 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td>TWA</td>
<td>3 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

**Biological limit values**

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices</th>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropanol (CAS 67-63-0)</td>
<td>40 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

**Exposure guidelines**

**US - California OELs: Skin designation**
- Butanol Normal (CAS 71-36-3)
- Triphenyl Phosphate (CAS 115-86-6)
  - Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**
- Butanol Normal (CAS 71-36-3)
  - Skin designation applies.

**US - Tennessee OELs: Skin designation**
- Butanol Normal (CAS 71-36-3)
  - Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**
- Butanol Normal (CAS 71-36-3)
  - Can be absorbed through the skin.
Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection

Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Liquid.

Color

Blue, Red, or Black.

Odor

Sweet, Solvent.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

170 - 257 °F (76.67 - 125 °C)

Flash point

> 53.1 °F (> 11.7 °C)

Evaporation rate

< 1 (BuAc = 1)

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

1.4 %

Flammability limit - upper (%)

19 %

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not available.

Vapor density

> 1 (air = 1)

Relative density

0.86 @ 70°F

Solubility(ies)

Solubility (water)

Negligible

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

Not available.

Other information

Explosive properties

Not explosive.

Oxidizing properties

Not oxidizing.

VOC

8706 Dk Blue/Steel Blue: 93.24%, 790 g/L
10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Hazardous decomposition products
Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation
May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

Skin contact
Causes skin irritation.

Eye contact
Causes serious eye damage.

Ingestion
Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics
May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity
Not known.

Components | Species | Test Results
-------------|---------|--------------
Butanol Normal (CAS 71-36-3) | | 
**Acute**
Dermal
LD50
Rabbit
3400 mg/kg

Oral
LD50
Rat
790 mg/kg

Diacetone Alcohol (CAS 123-42-2) | | 
**Acute**
Dermal
LD50
Rat
> 1875 mg/kg, 24 Hours

Oral
LD50
Rat
3002 mg/kg

Ethanol (CAS 64-17-5) | | 
**Acute**
Oral
LD50
Rat
1187 - 2769 mg/kg

Isopropanol (CAS 67-63-0) | | 
**Acute**
Oral
LD50
Rat
4.7 g/kg

Oxidized Castor Oil (CAS 68187-84-8) | | 
**Acute**
Dermal
LD50
Rat
> 2000 mg/kg, 24 Hours

Oral
LD50
Rat
> 2000 mg/kg
### Components

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triphenyl Phosphate (CAS 115-86-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>3.8 g/kg</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation
- Causes skin irritation.

### Serious eye damage/eye irritation
- Causes serious eye damage.

### Respiratory or skin sensitization
- **Respiratory sensitization**
  - Not a respiratory sensitizer.
- **Skin sensitization**
  - This product is not expected to cause skin sensitization.

### Respiratory or skin sensitization
- **Germ cell mutagenicity**
  - No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity
- Suspected of causing cancer.

#### ACGIH Carcinogens
- Isopropanol (CAS 67-63-0) A4 Not classifiable as a human carcinogen.
- Triphenyl Phosphate (CAS 115-86-6) A4 Not classifiable as a human carcinogen.

#### IARC Monographs. Overall Evaluation of Carcinogenicity
- Not listed.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
- Not regulated.

#### US. National Toxicology Program (NTP) Report on Carcinogens
- Not listed.

### Reproductive toxicity
- Possible reproductive hazard.

### Specific target organ toxicity
- **Single exposure**
  - May cause drowsiness and dizziness.
- **Repeated exposure**
  - Not classified.

### Aspiration hazard
- Not an aspiration hazard.

### Chronic effects
- Prolonged inhalation may be harmful.

### Ecological information

#### Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
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<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butanol Normal (CAS 71-36-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 1897 - 2072 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus) 100 - 500 mg/l, 96 hours</td>
</tr>
<tr>
<td>Butyl Acetate (CAS 123-86-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 17 - 19 mg/l, 96 hours</td>
</tr>
<tr>
<td>Diacetone Alcohol (CAS 123-42-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus) 420 mg/l, 96 hours</td>
</tr>
<tr>
<td>Ethanol (CAS 64-17-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) 7.7 - 11.2 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) &gt; 100 mg/l, 96 hours</td>
</tr>
<tr>
<td>Isopropanol (CAS 67-63-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus) &gt; 1400 mg/l, 96 hours</td>
</tr>
</tbody>
</table>
### Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Propyl Acetate (CAS 109-60-4)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas) 56 - 64 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Triphenyl Phosphate (CAS 115-86-6)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50 Water flea (Daphnia magna) 0.86 - 1.2 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss) 0.31 - 0.41 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

#### Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

#### Bioaccumulative potential

**Partition coefficient n-octanol / water (log Kow)**

- Butanol Normal: 0.88
- Butyl Acetate: 1.78
- Diacetone Alcohol: -0.098
- Ethanol: -0.31
- Isopropanol: 0.05
- Propyl Acetate: 1.23
- Triphenyl Phosphate: 4.59

**Mobility in soil**

No data available.

#### Other adverse effects

None known.

### 13. Disposal considerations

**Disposal instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

- D001: Waste Flammable material with a flash point <140 F

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

**DOT**

- **UN number**: UN1263
- **UN proper shipping name**: Paint related material including paint thinning, drying, removing, or reducing compound, MARINE POLLUTANT (Triphenyl Phosphate)

**Transport hazard class(es)**

- Class: 3
- Subsidiary risk: -
- Label(s): 3
- Packing group: II

**Environmental hazards**

- Marine pollutant: Yes

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

**Special provisions**

- 149, B52, IB2, T4, TP1, TP8, TP28
- 150
- 173
- 242

**IATA**

- **UN number**: UN1263
- **UN proper shipping name**: Paint related material (including paint thinning or reducing compounds)

**Transport hazard class(es)**

- Class: 3
- Subsidiary risk: -
<table>
<thead>
<tr>
<th>Packing group</th>
<th>II</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental hazards</td>
<td>Yes</td>
</tr>
<tr>
<td>ERG Code</td>
<td>3L</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
</tr>
<tr>
<td>Passenger and cargo aircraft</td>
<td>Allowed with restrictions.</td>
</tr>
<tr>
<td>Cargo aircraft only</td>
<td>Allowed with restrictions.</td>
</tr>
<tr>
<td>IMDG</td>
<td></td>
</tr>
<tr>
<td>UN number</td>
<td>UN1263</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound), MARINE POLLUTANT (Triphenyl Phosphate)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>3</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Yes</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td></td>
</tr>
<tr>
<td>EmS</td>
<td>F-E, S-E</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
<tr>
<td>Triphenyl Phosphate</td>
<td></td>
</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
<td>Not established.</td>
</tr>
<tr>
<td>DOT</td>
<td></td>
</tr>
<tr>
<td>IATA; IMDG</td>
<td></td>
</tr>
<tr>
<td>Marine pollutant</td>
<td></td>
</tr>
<tr>
<td>General information</td>
<td>IMDG Regulated Marine Pollutant.</td>
</tr>
</tbody>
</table>
15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Oxidized Castor Oil (CAS 68187-84-8) 1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)
- Butanol Normal (CAS 71-36-3) Listed.
- Butyl Acetate (CAS 123-86-4) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
Yes

Classified hazard categories
- Flammable (gases, aerosols, liquids, or solids)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Carcinogenicity
- Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-BUTYL ALCOHOL</td>
<td>71-36-3</td>
<td>3 - 17</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
- Butanol Normal (CAS 71-36-3) Low priority
- Butyl Acetate (CAS 123-86-4) Low priority
- Ethanol (CAS 64-17-5) Low priority
- Isopropanol (CAS 67-63-0) Low priority
- Propyl Acetate (CAS 109-60-4) Low priority

US state regulations

US. New Jersey Worker and Community Right-to-Know Act
- Butanol Normal (CAS 71-36-3)
- Butyl Acetate (CAS 123-86-4)
- Cellulose Nitrate (CAS 9004-70-0)
- Diacetone Alcohol (CAS 123-42-2)
- Ethanol (CAS 64-17-5)
- Isopropanol (CAS 67-63-0)
- Propyl Acetate (CAS 109-60-4)
- Triphenyl Phosphate (CAS 115-86-6)

California Proposition 65
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
- Isopropanol (CAS 67-63-0)
- Triphenyl Phosphate (CAS 115-86-6)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
</tbody>
</table>

Material name: Dykem® Transparent Stain Bulk - Steel Blue, Steel Red, and Black
Dk Blue - Steel Blue (80200, 80300, 80400, 80600, 80700), Red - Steel Red (80296, 80396, 80496, 80696), Black (81731) Version #: 0
<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Toxic Chemical Substances (TCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

**Issue date** 02-27-2018

**Version #** 01

**Disclaimer**

ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. 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.