SAFETY DATA SHEET

1. Identification

Product identifier 
BLACK - GLOSS W/R ALKYD ENAMEL

Other means of identification

Product code I-6507

Recommended use Wood and metal enamel

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer
Company Name
FORREST Technical Coatings
Address
1011 McKinley Street
P.O. Box 22110
City
Eugene
State
OR
Zip
97402
Country
United States
Telephone
1 (541) 342-1821
Contact person
EHS Department
Website
www.forrestpaint.com
E-mail
info@forrestpaint.com

Emergency phone number
1 (800) 424-9300 (CHEMTREC - Contract # 8730) USA & Canada
+1 703-527-3887 (CHEMTREC - Contract # 8730) Outside USA and Canada

2. Hazard(s) identification

Physical hazards
Flammable liquids Category 4

Health hazards
Acute toxicity, oral Category 4
Acute toxicity, dermal Category 3
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Carcinogenicity Category 2
Reproductive toxicity Category 1
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

Environmental hazards
Hazardous to the aquatic environment, acute hazard Category 3
Hazardous to the aquatic environment, long-term hazard Category 3

OSHA defined hazards
Not classified.

Label elements

Signal word
Danger

Hazard statement
Combustible liquid. Harmful if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer. May damage fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
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. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response
If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. 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. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.

Storage

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)
None known.

Supplemental information
84.21% of the mixture consists of component(s) of unknown acute oral toxicity. 89.21% of the mixture consists of component(s) of unknown acute dermal toxicity. 98.37% of the mixture consists of component(s) of unknown acute inhalation toxicity. 45.73% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 45.73% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

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>2-BUTOXYETHANOL</td>
<td>111-76-2</td>
<td>10-25</td>
<td></td>
</tr>
<tr>
<td>SEC-BUTYL ALCOHOL</td>
<td>78-92-2</td>
<td>&lt;10</td>
<td></td>
</tr>
<tr>
<td>AMMONIA</td>
<td>7664-41-7</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>BENZYL BUTYL PHTHALATE</td>
<td>85-68-7</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>CARBON BLACK</td>
<td>1333-86-4</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL METHYL ETHER</td>
<td>111-77-3</td>
<td>&lt;1</td>
<td></td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

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

Skin contact
Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. 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 if irritation develops and persists.

Ingestion
Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information
Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media
Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media
The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

Special hazards arising from the chemical
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Specific protective equipment and precautions for firefighters
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

General fire hazards
Combustible liquid.

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 inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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
Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. 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.

Environmental precautions
Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

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. Keep away from open flames, hot surfaces and sources of ignition. Do not get in eyes, on skin, or on clothing. Avoid inhalation of vapors and spray mists. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. 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

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXYETHANOL (CAS 111-76-2)</td>
<td>PEL</td>
<td>240 mg/m³</td>
</tr>
<tr>
<td>AMMONIA (CAS 7664-41-7)</td>
<td>PEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>CARBON BLACK (CAS 1333-86-4)</td>
<td>PEL</td>
<td>50 ppm</td>
</tr>
<tr>
<td>SEC-BUTYL ALCOHOL (CAS 78-92-2)</td>
<td>PEL</td>
<td>450 mg/m³</td>
</tr>
</tbody>
</table>

Material name: BLACK - GLOSS W/R ALKYD ENAMEL
I-6507 Version #: 01 Issue date: 04-19-2016
### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXYETHANOL (CAS 111-76-2)</td>
<td>TWA</td>
<td>20 ppm</td>
<td></td>
</tr>
<tr>
<td>AMMONIA (CAS 7664-41-7)</td>
<td>STEL</td>
<td>35 ppm</td>
<td></td>
</tr>
<tr>
<td>CARBON BLACK (CAS 1333-86-4)</td>
<td>TWA</td>
<td>25 ppm</td>
<td></td>
</tr>
<tr>
<td>SEC-BUTYL ALCOHOL (CAS 78-92-2)</td>
<td>TWA</td>
<td>100 ppm</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>

### Biological limit values

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXYETHANOL (CAS 200 mg/g 111-76-2)</td>
<td>Butoxynoic acid (BAA), with hydrolysis</td>
<td>Creatinine in urine</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

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

### Exposure guidelines

#### US - California OELs: Skin designation

- 2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

#### US - Minnesota Haz Subs: Skin designation applies

- 2-BUTOXYETHANOL (CAS 111-76-2) Skin designation applies.

#### US - Tennessee OELs: Skin designation

- 2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

#### US NIOSH Pocket Guide to Chemical Hazards: Skin designation

- 2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

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

- 2-BUTOXYETHANOL (CAS 111-76-2) Can be absorbed through the skin.

#### Appropriate engineering controls

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. Eye wash facilities and emergency shower must be available when handling this product.

#### 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. Suitable gloves can be recommended by the glove supplier.
  - **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

When using do not smoke. Keep away from food and drink. 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**: Black.
- **Odor**: Ether-like.
- **Odor threshold**: Not available.
- **pH**: Not available.
- **Melting point/freezing point**: Not available.
Initial boiling point and boiling range
335.12 °F (168.4 °C) estimated

Flash point
143.0 °F (61.7 °C) estimated

Evaporation rate
Not available.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits
Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
0.2 hPa estimated

Vapor density
Not available.

Relative density
Not available.

Solubility(ies)
Solubility (water)
Not available.

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
Not available.

Viscosity
Not available.

Other information
Density
8.40 lb/gal

Flammability class
Combustible IIIA estimated

Percent volatile
69.95 %w/w

Specific gravity
1.01

VOC (Weight %)
160.55 g/l MATERIAL
355.71 g/l COATING

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
No dangerous reaction known under conditions of normal use.

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

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information
Information on likely routes of exposure
Inhalation
Harmful if inhaled.

Skin contact
Toxic in contact with skin. Causes skin irritation.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Eye contact
Causes serious eye irritation.

Ingestion
Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.
Information on toxicological effects

Acute toxicity
Toxic in contact with skin. Harmful if inhaled. Harmful if swallowed. May cause respiratory irritation.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization
Not a respiratory sensitizer.

Skin sensitization
This product is not expected to cause 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

IARC Monographs. Overall Evaluation of Carcinogenicity
2-BUTOXYETHANOL (CAS 111-76-2) 3 Not classifiable as to carcinogenicity to humans.
BENZYL BUTYL PHTHALATE (CAS 85-68-7) 3 Not classifiable as to carcinogenicity to humans.
CARBON BLACK (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens
Not available.

Reproductive toxicity
May damage fertility or the unborn child.

Specific target organ toxicity - single exposure
May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Not an aspiration hazard.

Chronic effects
May be harmful if absorbed through skin. Prolonged inhalation may be harmful.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity
Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXYETHANOL (CAS 111-76-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Inland silverside (Menidia beryllina) 1250 mg/l, 96 hours</td>
</tr>
<tr>
<td>AMMONIA (CAS 7664-41-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Chinook salmon (Oncorhynchus tshawytscha) 0.43 - 0.47 mg/l, 96 hours</td>
</tr>
<tr>
<td>BENZYL BUTYL PHTHALATE (CAS 85-68-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia magna) &gt; 0.96 mg/l, 48 hours</td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Shiner perch (Cymatogaster aggregata) 0.47 - 0.56 mg/l, 96 hours</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus) 7500 mg/l, 96 hours</td>
</tr>
<tr>
<td>SEC-BUTYL ALCOHOL (CAS 78-92-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia magna) 1859 - 7143 mg/l, 48 hours</td>
<td></td>
</tr>
</tbody>
</table>
Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fathead minnow</td>
<td>3880 - 3990 mg/l, 96 hours</td>
</tr>
<tr>
<td>(Pimephales promelas)</td>
<td></td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Persistence and degradability
No data is available on the degradability of this product.

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Partition Coefficient n-octanol / water (log Kow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXYETHANOL</td>
<td>0.83</td>
</tr>
<tr>
<td>BENZYL BUTYL PHTHALATE</td>
<td>4.91</td>
</tr>
<tr>
<td>SEC-BUTYL ALCOHOL</td>
<td>0.61</td>
</tr>
</tbody>
</table>

### Mobility in soil
No data available.

### Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

#### Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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.

#### 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

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1263</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Paint, Combustible Liquid</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>Not available.</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
<tr>
<td>Special provisions</td>
<td>B1, B52, IB3, T2, TP1, TP29</td>
</tr>
<tr>
<td>Packaging exceptions</td>
<td>150</td>
</tr>
<tr>
<td>Packaging non bulk</td>
<td>173</td>
</tr>
<tr>
<td>Packaging bulk</td>
<td>242</td>
</tr>
</tbody>
</table>

#### IATA

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1263</th>
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</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Paint</td>
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<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>Label(s)</td>
<td>3</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No.</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.</td>
</tr>
<tr>
<td>Cargo aircraft only</td>
<td>Allowed.</td>
</tr>
</tbody>
</table>

### IMDG

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1263</th>
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</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Paint</td>
</tr>
</tbody>
</table>
Class 3
Subsidiary risk -
Label(s) 3
Packing group III
Environmental hazards
Marine pollutant No.
EmS Not available.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
IATA; IMDG

15. Regulatory information
US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

US - TSCA Chemical Action Plans: Listed substance
BENZYL BUTYL PHTHALATE (CAS 85-68-7) Phthalates Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)
2-BUTOXYETHANOL (CAS 111-76-2) Listed.
AMMONIA (CAS 7664-41-7) Listed.
BENZYL BUTYL PHTHALATE (CAS 85-68-7) Listed.
DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3) Listed.
SEC-BUTYL ALCOHOL (CAS 78-92-2) Listed.

SARA 304 Emergency release notification
AMMONIA (CAS 7664-41-7) 100 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Chemical name CAS number Reportable quantity Threshold planning quantity Threshold planning quantity, lower value Threshold planning quantity, upper value
AMMONIA 7664-41-7 100 500 lbs
SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Chemical name CAS number % by wt.
2-BUTOXYETHANOL 111-76-2 10-25
SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEC-BUTYL ALCOHOL</td>
<td>78-92-2</td>
<td>&lt;10</td>
</tr>
<tr>
<td>AMMONIA</td>
<td>7664-41-7</td>
<td>&lt;1</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL METHYL ETHER</td>
<td>111-77-3</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
- DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
- AMMONIA (CAS 7664-41-7)

Safe Drinking Water Act (SDWA)
- Not regulated.

US state regulations

**US - California Candidate Chemicals: Listed**
- 2-BUTOXYETHANOL (CAS 111-76-2)
- AMMONIA (CAS 7664-41-7)
- CARBON BLACK (CAS 1333-86-4)

**US - California Candidate Chemicals: Listed on initial list**
- 2-BUTOXYETHANOL (CAS 111-76-2)
- BENZYL BUTYL PHTHALATE (CAS 85-68-7)
- DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3)

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**
- Not listed.

**US. Massachusetts RTK - Substance List**
- 2-BUTOXYETHANOL (CAS 111-76-2)
- AMMONIA (CAS 7664-41-7)
- BENZYL BUTYL PHTHALATE (CAS 85-68-7)
- CARBON BLACK (CAS 1333-86-4)
- DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3)
- SEC-BUTYL ALCOHOL (CAS 78-92-2)

**US. New Jersey Worker and Community Right-to-Know Act**
- 2-BUTOXYETHANOL (CAS 111-76-2)
- AMMONIA (CAS 7664-41-7)
- BENZYL BUTYL PHTHALATE (CAS 85-68-7)
- CARBON BLACK (CAS 1333-86-4)
- DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3)
- SEC-BUTYL ALCOHOL (CAS 78-92-2)

**US. Pennsylvania Worker and Community Right-to-Know Law**
- 2-BUTOXYETHANOL (CAS 111-76-2)
- AMMONIA (CAS 7664-41-7)
- BENZYL BUTYL PHTHALATE (CAS 85-68-7)
- CARBON BLACK (CAS 1333-86-4)
- DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3)
- SEC-BUTYL ALCOHOL (CAS 78-92-2)

**US. Rhode Island RTK**
- 2-BUTOXYETHANOL (CAS 111-76-2)
- AMMONIA (CAS 7664-41-7)
- BENZYL BUTYL PHTHALATE (CAS 85-68-7)
- DIETHYLENE GLYCOL METHYL ETHER (CAS 111-77-3)
- SEC-BUTYL ALCOHOL (CAS 78-92-2)

**US. California Proposition 65**
WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**
- CARBON BLACK (CAS 1333-86-4) Listed: February 21, 2003

**US - California Proposition 65 - CRT: Listed date/Developmental toxin**
- BENZYL BUTYL PHTHALATE (CAS 85-68-7) Listed: December 2, 2005
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>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<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>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<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>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
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<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: 04-19-2016

Version #: 01

HMIS® ratings
- Health: 3*
- Flammability: 2
- Physical hazard: 0

NFPA ratings
- Health: 3
- Flammability: 2
- Instability: 0

Disclaimer
The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, expressed or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.