

# SAFETY DATA SHEET

**Part No. 10281Z (Aerosol)**

 Print Date: 1/8/2018  
 Revision Date: 1/8/2018  
 Supersedes Date: 3/2/2016  
 Issue Date: 3/2/2016  
 Version: 2.0 (EN)-US  
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## Zinc Phosphate

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1 - IDENTIFICATION

#### 1.1 Product Identifier

Product Name : Zinc Phosphate  
 Manufacturer Product Number  
 Supplier Product Numbers : 10281Z

#### 1.2 Other Means of Identification

Other Identifiers : Not Available

#### 1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : Duplicates the original appearance of Zinc Phosphate plating.  
 Restrictions on Use : None Identified

#### 1.4 Supplier Details

| Supplier Details |   |   |
|------------------|---|---|
| Company Name     | : | The Easthill Group, Inc./The Eastwood Company           |
| Address          | : | 263 Shoemaker Road, Pottstown, PA 19464 - United States |
| Phone Number     | : | 800-343-9353  |
| Fax Number       | : |   |
| Email            | : |   |
| Website          | : | www.eastwood.com  |

#### 1.5 24 hr Emergency Phone Number

Emergency Number : 800-424-9300 Chem Trec

### SECTION 2 - HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

|                    |      |                       |  |
|--------------------|------|-----------------------|--|
| Flam. Aerosol 1    | H222 | Physical Hazards      | Flammable aerosol Category 1                                     |
| Press. Gas (Diss.) | H280 | Physical Hazards      | Gases under pressure Dissolved gas                               |
| Eye Irrit. 2       | H319 | Health Hazards        | Serious eye damage/eye irritation Category 2                     |
| Carc. 2            | H351 | Health Hazards        | Carcinogenicity Category 2                                       |
| Stot Se 3          | H336 | Health Hazards        | Specific target organ toxicity (single exposure) Category 3      |
| Aquatic Acute 2    | H401 | Environmental Hazards | Hazardous to the aquatic environment - Acute Hazard Category 2   |
| Aquatic Chronic 1  | H410 | Environmental Hazards | Hazardous to the aquatic environment - Chronic Hazard Category 1 |

#### 2.2 Label Elements

##### Hazard Pictograms



##### Signal Word

**Danger**

##### Hazard Statements

H222 : Extremely flammable aerosol  
 H280 : Contains gas under pressure; may explode if heated  
 H319 : Causes serious eye irritation  
 H336 : May cause drowsiness or dizziness  
 H351 : Suspected of causing cancer  
 H401 : Toxic to aquatic life  
 H410 : Very toxic to aquatic life with long lasting effects

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### Precautionary Statements

- P202 : Do not handle until all safety precautions have been read and understood.  
P210 : Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211 : Do not spray on an open flame or other ignition source.  
P251 : Pressurized container: Do not pierce or burn, even after use.  
P261 : Avoid breathing spray.  
P264 : Wash hands thoroughly after handling.  
P271 : Use only outdoors or in a well-ventilated area.  
P273 : Avoid release to the environment.  
P280 : Wear protective gloves and eye protection.  
P304+P340 : If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 : If exposed or concerned: Get medical advice/attention.  
P312 : Call physician if you feel unwell  
P337+P313 : If eye irritation persists: Get medical advice/attention.  
P391 : Collect spillage.  
P403 : Store in a well-ventilated place.  
P410+P412 : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 : Dispose of contents/container to local regulations

### 2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

### 2.4 Unknown acute toxicity

24% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
32.4% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
53.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance / Mixture

Substance / Mixture : Mixture

### 3.2 Composition

| Substance name | CAS Number | % wt*   | Classification  |
|----------------|------------|---------|---|
| Ethyl Acetate  | 141-78-6   | 30 - 60 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336  |
| Propane        | 74-98-6    | 10 - 30 | Flam. Gas 1, H220<br>Press. Gas (Diss.), H280   |
| Acetone        | 67-64-1    | 10 - 30 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336  |
| Carbon Black   | 1333-86-4  | 0.1 - 1 | Carc. 2, H351   |
| Ethyl Benzene  | 100-41-4   | 0.1 - 1 | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Carc. 2, H351<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401 |

Full text of hazard classes and H-statements : see section 16

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4 - FIRST-AID MEASURES

### 4.1 Description of First-Aid Measures

General Measures : If exposed or concerned: Get medical advice/attention.

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|                                |  |
|--------------------------------|--|
| Inhalation                     | : Remove person to fresh air and keep comfortable for breathing.   |
| Skin Contact                   | : Wash skin with plenty of water.  |
| Eye Contact                    | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Ingestion                      | : Call a poison center or a doctor if you feel unwell.   |
| First-Aid Responder Protection | : Wear adequate personal protective equipment based on the nature and severity of the emergency.   |

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

|                      |   |
|----------------------|---|
| Symptoms of Exposure | : Eye Irritation, Nose Irritation, Throat Irritation, Dermatitis, Central Nervous System Depression, Confusion, Skin Irritation, Headache, Dizziness, Nausea, Narcosis, Upper Respiratory Tract Irritation, Drowsiness, Vomiting, Cough, Mucous Membrane. |
| Delayed Effects      | : No known delayed effects.   |
| Immediate Effects    | : No known immediate effects.   |
| Chronic Effects      | : Because of defatting properties, repeated skin contact can cause skin damage such as chap, dermatitis, inflammation and the formation of eczema.  |
| Target Organs        | : Central Nervous System, Eyes, Respiratory System, Skin.   |

### 4.3 Indication of Immediate Medical Attention and Special Treatment

|                               |   |
|-------------------------------|---|
| Notes to Physician            | : Treat symptomatically.  |
| Specific Treatments/Antidotes | : No Information Available.   |
| Medical Conditions Aggravated | : May aggravate personnel with pre-existing disorders associated with any of the Target Organs. |

## SECTION 5 - FIRE-FIGHTING MEASURES

### 5.1 Suitable Extinguishing Media

|                     |   |
|---------------------|---|
| Extinguishing Media | : Water, carbon dioxide, dry chemical, universal aqueous film forming foam. |
| Unsuitable Media    | : Water jet.  |

### 5.2 Specific Hazards Arising from the Chemical or Mixture

|                                      |  |
|--------------------------------------|--|
| Hazardous Combustion Products        | : Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.  |
| Specific Hazards During Firefighting | : Extremely flammable. Contents under pressure. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source. |

### 5.3 Special Protective Actions for Fire-Fighters

|                                |  |
|--------------------------------|--|
| Firefighting Instructions      | : Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat developed pressure. |
| Protection during Firefighting | : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.          |

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

|                             |  |
|-----------------------------|--|
| For Non-Emergency Personnel | : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so. |
| For Emergency Personnel     | : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.   |

### 6.2 Environmental Precautions

|                           |   |
|---------------------------|---|
| Environmental Precautions | : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination. |
|---------------------------|---|

### 6.3 Methods and Materials for Containment and Cleaning up

|                        |  |
|------------------------|--|
| Containment Procedures | : Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. |
|------------------------|--|

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- Cleanup Procedures** : Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
- Other Information** : Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned.
- Prohibited Materials** : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

- General Handling Precautions** : KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation.
- Hygiene Recommendations** : Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

### 7.2 Conditions for Safe Storage Including Any Incompatibilities

- Storage Requirements** : Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.
- NFPA 30B Classification** : This product is classified as a Level 3 Aerosol per NFPA 30B

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

#### Propane (74-98-6)

|            |   |                        |
|------------|---|------------------------|
| OSHA       | OSHA PEL (TWA) (mg/m <sup>3</sup> )       | 1800 mg/m <sup>3</sup> |
| OSHA       | OSHA PEL (TWA) (ppm)                      | 1000 ppm               |
| NIOSH      | US IDLH (ppm)                             | 2100 ppm               |
| NIOSH      | NIOSH REL (TWA) (mg/m <sup>3</sup> )      | 1800 mg/m <sup>3</sup> |
| NIOSH      | NIOSH REL (TWA) (ppm)                     | 1000 ppm               |
| California | California PEL (TWA) (mg/m <sup>3</sup> ) | 1800 mg/m <sup>3</sup> |
| California | California PEL (TWA) (ppm)                | 1000 ppm               |

#### Ethyl Acetate (141-78-6)

|            |   |                        |
|------------|---|------------------------|
| ACGIH      | ACGIH TWA (mg/m <sup>3</sup> )            | 400 ppm                |
| OSHA       | OSHA PEL (TWA) (mg/m <sup>3</sup> )       | 1400 mg/m <sup>3</sup> |
| OSHA       | OSHA PEL (TWA) (ppm)                      | 400 ppm                |
| NIOSH      | US IDLH (ppm)                             | 2000 ppm               |
| NIOSH      | NIOSH REL (TWA) (ppm)                     | 400 ppm                |
| California | California PEL (TWA) (mg/m <sup>3</sup> ) | 1400 mg/m <sup>3</sup> |
| California | California PEL (TWA) (ppm)                | 400 ppm                |

#### Carbon Black (1333-86-4)

|            |   |                        |
|------------|---|------------------------|
| ACGIH      | ACGIH TWA (ppm)                           | 3 mg/m <sup>3</sup>    |
| OSHA       | OSHA PEL (TWA) (mg/m <sup>3</sup> )       | 3.5 mg/m <sup>3</sup>  |
| NIOSH      | US IDLH (mg/m <sup>3</sup> )              | 1750 mg/m <sup>3</sup> |
| NIOSH      | NIOSH REL (TWA) (mg/m <sup>3</sup> )      | 3.5 mg/m <sup>3</sup>  |
| California | California PEL (TWA) (mg/m <sup>3</sup> ) | 3.5 mg/m <sup>3</sup>  |

#### Ethyl Benzene (100-41-4)

|       |                                     |                       |
|-------|-------------------------------------|-----------------------|
| ACGIH | ACGIH TWA (mg/m <sup>3</sup> )      | 20 ppm                |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 435 mg/m <sup>3</sup> |
| OSHA  | OSHA PEL (TWA) (ppm)                | 100 ppm               |
| NIOSH | US IDLH (ppm)                       | 800 ppm               |

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### Ethyl Benzene (100-41-4)

|                           |  |                       |
|---------------------------|--|-----------------------|
| NIOSH                     | NIOSH REL (TWA) (mg/m <sup>3</sup> )   | 435 mg/m <sup>3</sup> |
| NIOSH                     | NIOSH REL (TWA) (ppm)  | 100 ppm               |
| NIOSH                     | NIOSH REL (STEL) (mg/m <sup>3</sup> )  | 545 mg/m <sup>3</sup> |
| NIOSH                     | NIOSH REL (STEL) (ppm)   | 125 ppm               |
| California                | California PEL (TWA) (mg/m <sup>3</sup> )  | 22 mg/m <sup>3</sup>  |
| California                | California PEL (TWA) (ppm)   | 5 ppm                 |
| California                | California PEL (STEL) (mg/m <sup>3</sup> )   | 130 mg/m <sup>3</sup> |
| California                | California PEL (STEL) (ppm)  | 30 ppm                |
| Biological Exposure Index | Sum of Mandelic Acid and Phenyl Glyoxylic Acid in Urine, End of shift at end of workweek | 0.7 g/g creatinine    |

### Acetone (67-64-1)

|                           |  |                        |
|---------------------------|--|------------------------|
| ACGIH                     | ACGIH TWA (mg/m <sup>3</sup> )             | 250 ppm                |
| ACGIH                     | ACGIH Ceiling (mg/m <sup>3</sup> )         | 500 ppm                |
| OSHA                      | OSHA PEL (TWA) (mg/m <sup>3</sup> )        | 2400 mg/m <sup>3</sup> |
| OSHA                      | OSHA PEL (TWA) (ppm)                       | 1000 ppm               |
| NIOSH                     | US IDLH (ppm)                              | 2500 ppm               |
| NIOSH                     | NIOSH REL (TWA) (ppm)                      | 250 ppm                |
| California                | California PEL (TWA) (mg/m <sup>3</sup> )  | 1200 mg/m <sup>3</sup> |
| California                | California PEL (TWA) (ppm)                 | 500 ppm                |
| California                | California PEL (STEL) (mg/m <sup>3</sup> ) | 1780 mg/m <sup>3</sup> |
| California                | California PEL (STEL) (ppm)                | 750 ppm                |
| California                | California PEL (Ceiling) (ppm)             | 3000 ppm               |
| Biological Exposure Index | Acetone in urine, End of shift (Ns)        | 25 mg/l                |

## 8.2 Exposure Controls

|  |  |
|--|--|
| <b>Engineering Measures</b>            | : Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above. |
| <b>Personal Protective Equipment</b>   |  |
| <b>Eye / Face Protection</b>           | : Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.   |
| <b>Hand Protection</b>                 | : Chemical-resistant gloves, tested according to ASTM F903 - 17.   |
| <b>Remarks</b>                         | : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.   |
| <b>Skin and Body Protection</b>        | : For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.   |
| <b>Respiratory Protection</b>          | : An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits.   |
| <b>Compliance</b>                      | : If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.   |
| <b>Other Protective Equipment</b>      | : Safety showers and eye-wash stations should be available in the workplace near where the material will be used.  |
| <b>Environmental Exposure Controls</b> | : Avoid release to the environment.  |

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Physical Properties

|                     |                             |                                  |                         |
|---------------------|-----------------------------|----------------------------------|-------------------------|
| Boiling Point       | > 55.60 °C                  | Melting / Freezing Point         | > -108.00 °C            |
| Flash Point, Liquid | > -17.20 °C                 | Flash Point, Propellant          | -104.40 °C              |
| Explosive Limits    | LEL: 1.05 UEL: 13.10 vol %  | Autoignition Temperature, Liquid | 377.00 °C               |
| Flammability        | Extremely Flammable Aerosol | Density                          | 0.762 g/cm <sup>3</sup> |
| Molecular Weight    | Not Available               | Weight                           | 6.359 lbs/gal           |
| Vapor Pressure      | Not Available               | pH                               | Not Available           |
| Vapor Density       | Not Available               | Evaporation Rate (nBac=1)        | Not Available           |
| Viscosity           | Not Available               | Partition Coefficient (Log Pow)  | Not Available           |
| Odor Threshold      | Not Available               | Refractive Index                 | Not Available           |
| Physical State      | Pressurized Product         | Heat Of Combustion               | 12039.78 BTU/lb         |
| Appearance / Color  | Gray coating                | Water Solubility                 | Not Available           |

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|      |            |                           |               |
|------|------------|---------------------------|---------------|
| Odor | Paint-like | Decomposition Temperature | Not Available |
|------|------------|---------------------------|---------------|

### 9.2 Environmental Properties

|                           |            |                                |                           |
|---------------------------|------------|--------------------------------|---------------------------|
| Percent Volatile          | 90.77 % wt | VOC Regulatory                 | 677.26 g/L (5.65 lbs/gal) |
| Percent VOC               | 73.77 % wt | VOC Actual                     | 562.09 g/L (4.69 lbs/gal) |
| Percent HAP               | 0.28 % wt  | HAP Content                    | 2.13 g/L (0.02 lbs/gal)   |
| Global Warming Potential  | 0.88 GWP   | Maximum Incremental Reactivity | 0.6240 g O3/g             |
| Ozone Depletion Potential | 0.00 ODP   |                                |                           |

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

### 10.2 Chemical Stability

Chemical Stability : This product is stable.

### 10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

### 10.4 Conditions to Avoid

Conditions to Avoid : Electrostatic Discharge, Other Ignition Sources, Heat, Flames, Sparks.

### 10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Strong Reducing Agents, Strong Acids, Potassium t-Butoxide, Halogen Compounds, Hydrogen Peroxide.

### 10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon, Formaldehyde, Methanol, Acetic Acid.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

#### Propane (CAS: 74-98-6 / EC: 200-827-9)

LC50 Inhalation (Rat) 658 mg/l/4h (Lit.)

#### Ethyl Acetate (CAS: 141-78-6 / EC: 205-500-4)

LD50 Oral (Rat) 5620 mg/kg (RTECS)  
LD50 Dermal (Rabbit) > 18000 mg/kg (Sigma-Aldrich)  
LC50 Inhalation (Rat) 10600 ppm/4h (ChemInfo)

#### Carbon Black (CAS: 1333-86-4 / EC: 215-609-9)

LD50 Oral (Rat) > 15400 mg/kg (RTECS)  
LD50 Dermal (Rabbit) > 3000 mg/kg (RTECS)  
LC50 Inhalation (Rat) 27 mg/l/4h (ChemInfo)

#### Ethyl Benzene (CAS: 100-41-4 / EC: 202-849-4)

LD50 Oral (Rat) 4720 mg/kg (ChemInfo)  
LD50 Dermal (Rabbit) 15380 mg/kg (ChemInfo)  
LC50 Inhalation (Rat) 17.2 mg/l/4h (IUCLID)  
LC50 Inhalation (Rat) 4000 ppm/4h (ChemInfo)

#### Acetone (CAS: 67-64-1 / EC: 200-662-2)

LD50 Oral (Rat) 5800 mg/kg (Sigma-Aldrich)  
LD50 Dermal (Rabbit) 20000 mg/kg (IUCLID)  
LC50 Inhalation (Rat) 76 mg/l/4h (GESTIS Substance Database)

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|  |   |
|--|---|
| Routes Of Exposure   | : Eye Contact, Ingestion, Skin Contact, Inhalation.                       |
| Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure | : See Section 4.2   |
| Skin Corrosion/Irritation  | : Not classified  |
| Eye Damage/Irritation  | : Causes serious eye irritation.  |
| Respiratory or Skin Sensitization  | : Not classified  |
| Germ Cell Mutagenicity   | : Not classified  |
| Reproductive Toxicity  | : Not classified  |
| STOT-Single Exposure   | : May cause drowsiness or dizziness.                                      |
| STOT-Repeated Exposure   | : Not classified  |
| Aspiration Hazard  | : Not classified  |
| Vaporizer  | : Aerosol   |
| Carcinogen Data  | : The following ingredients are listed as known or suspected carcinogens: |

### Carbon Black (CAS: 1333-86-4 / EC: 215-609-9)

|                |   |
|----------------|---|
| IARC group     | 2B - Possibly Carcinogenic to Humans                              |
| ACGIH Category | A3 - Confirmed animal carcinogen with unknown relevance to humans |

### Ethyl Benzene (CAS: 100-41-4 / EC: 202-849-4)

|                |   |
|----------------|---|
| IARC group     | 2B - Possibly Carcinogenic to Humans                              |
| ACGIH Category | A3 - Confirmed animal carcinogen with unknown relevance to humans |

## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity and Ecological Properties

#### Propane (74-98-6)

|                               |  |
|-------------------------------|--|
| Persistence and Degradability | Readily biodegradable in water. Not applicable (gas). Photodegradation in the air. |
| BCF Fish                      | 9 - 25 (BCF)   |
| Log Pow                       | 2.28 (Calculated)  |
| Bioaccumulative Potential     | Low potential for bioaccumulation (Log Kow < 4).                                   |

#### Ethyl Acetate (141-78-6)

|                               |  |
|-------------------------------|--|
| LC50 Fish                     | 450 - 600 mg/l Rainbow Trout - 96hr  |
| LC50 Fish                     | 220 - 250 mg/l Fathead Minnow - 96h  |
| LC50 Other Aquatic Organisms  | 560 mg/l Water Flea - 48hr   |
| EC50 Daphnia                  | 2300 - 3090 mg/l Water Flea - 24hr   |
| EC50 Other Aquatic Organisms  | 4300 mg/l Green Algae - 24hr   |
| Persistence and Degradability | Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil. |
| Biochemical Oxygen Demand     | 0.293 g O <sub>2</sub> /g substance  |
| Chemical Oxygen Demand        | 1.69 g O <sub>2</sub> /g substance   |
| Theoretical Oxygen Demand     | 1.82 g O <sub>2</sub> /g substance   |
| Biodegradation                | 100 % 28 Days  |
| BCF Fish                      | 30   |
| Log Pow                       | 0.73   |
| Bioaccumulative Potential     | Low potential for bioaccumulation (BCF < 500).   |
| Log Koc                       | 0.778  |

#### Carbon Black (1333-86-4)

|                              |                                 |
|------------------------------|---------------------------------|
| LC50 Fish                    | > 1000 mg/l Zebra Fish - 96hr   |
| EC50 Daphnia                 | > 5600 mg/l Water Flea - 24hr   |
| EC50 Other Aquatic Organisms | > 10000 mg/l Green Algae - 72hr |
| Theoretical Oxygen Demand    | Not applicable                  |
| Log Pow                      | 1.09                            |
| Bioaccumulative Potential    | Not bioaccumulative.            |

#### Ethyl Benzene (100-41-4)

|                              |                               |
|------------------------------|-------------------------------|
| LC50 Fish                    | 4.2 mg/l Rainbow Trout - 96hr |
| EC50 Daphnia                 | 2.4 mg/l Water Flea - 48hr    |
| EC50 Other Aquatic Organisms | 9.68 mg/l Bacteria - 30min    |
| EC50 Other Aquatic Organisms | 4.6 mg/l Green Algae - 72hr   |



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**Ethyl Benzene (100-41-4)**

|                               |  |
|-------------------------------|--|
| Persistence and Degradability | Readily biodegradable in water. Biodegradable in the soil. Low potential for absorption in soil. |
| Biochemical Oxygen Demand     | 1.44 g O <sub>2</sub> /g substance   |
| Chemical Oxygen Demand        | 2.1 g O <sub>2</sub> /g substance  |
| Theoretical Oxygen Demand     | 3.17 g O <sub>2</sub> /g substance   |
| Biodegradation                | 81 % 28 Days   |
| BCF Fish                      | 1.18   |
| Log Pow                       | 3.15   |
| Bioaccumulative Potential     | Low potential for bioaccumulation (BCF < 500).   |
| Log Koc                       | 2.4  |


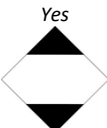

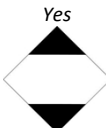
**Acetone (67-64-1)**

|                               |                                    |
|-------------------------------|------------------------------------|
| LC50 Fish                     | 5540 mg/l Rainbow Trout - 96hr     |
| LC50 Fish                     | 8300 mg/l Bluegill Sunfish - 96h   |
| EC50 Daphnia                  | 8800 mg/l Water Flea - 48hr        |
| Persistence and Degradability | Biodegradability 90% / 28 days.    |
| Biochemical Oxygen Demand     | 1.43 g O <sub>2</sub> /g substance |
| Chemical Oxygen Demand        | 1.92 g O <sub>2</sub> /g substance |
| Theoretical Oxygen Demand     | 2.2 g O <sub>2</sub> /g substance  |
| BCF Fish                      | 0.69                               |
| BCF Other Aquatic Organisms   | 3                                  |
| Log Pow                       | -0.24                              |

**SECTION 13 - DISPOSAL CONSIDERATIONS****13.1 Waste Treatment Methods**

|                             |   |
|-----------------------------|---|
| Waste Disposal              | : Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations. |
| Waste Disposal Of Packaging | : In the United States, an aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.                      |
| Landfill Precautions        | : Not Available.  |
| Incineration Precautions    | : ** DO NOT INCINERATE ** CONTENTS UNDER PRESSURE **.   |

**SECTION 14 - TRANSPORTATION INFORMATION**

| 14.1 UN Number                  | DOT (USA)  | IATA (AIR)   | IMDG (OCEAN)   |
|---------------------------------|--|--|--|
| UN Number                       | : UN1950   | UN1950   | UN1950   |
| 14.2 UN Proper Shipping Name    | DOT (USA)  | IATA (AIR)   | IMDG (OCEAN)   |
| UN Proper Shipping Name         | : Aerosols, Limited Quantity   | Aerosols, Flammable, Limited Quantity  | Aerosols, Limited Quantity   |
| 14.3 Transport Hazard Class(es) | DOT (USA)  | IATA (AIR)   | IMDG (OCEAN)   |
| Transport Hazard Class(es)      | : 2.1  | 2.1  | 2.1  |
| Labels                          | : None   | 2.1 - Flammable gas<br> | None   |
| Limited Quantity                | :<br> | :<br>                   | :<br> |
| EmS Code                        | : Not Applicable   | Not Applicable   | F-D, S-U   |



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## 14.4 Packing Group

## DOT (USA)

## IATA (AIR)

## IMDG (OCEAN)

Packing Group

:

None

None

None

## 14.5 Environmental Hazards

## DOT (USA)

## IATA (AIR)

## IMDG (OCEAN)

Marine Pollutant

:

No

No

No

## 14.6 Special Precautions

Precautions

:

None Identified

## 14.7 Transport in Bulk

Remarks

:

Not applicable for product as supplied

## SECTION 15 - REGULATORY INFORMATION

## 15.1 Federal Regulations

SARA Section 313

: Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethyl Benzene

CAS-No. 100-41-4

&lt; 1%

TSCA Section 12(b)

: This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D

CERCLA Reportable Quantity

: Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity

Ethyl Acetate

CAS-No. 141-78-6

5000 lb

Ethyl Benzene

CAS-No. 100-41-4

1000 lb

Acetone

CAS-No. 67-64-1

5000 lb

SARA Section 311/312 Hazard Classes

: Fire hazard, Sudden release of pressure hazard, Delayed (chronic) health hazard, Immediate (acute) health hazard.

TSCA Inventory (United States)

: All chemical substances in this product are either listed on the Toxic Substances Control Act (TSCA) Inventory or are in compliance with a TSCA Inventory exemption.

## 15.2 State Regulations

California Proposition 65

: This product contains chemicals known to the State of California to cause cancer.

Carbon Black (1333-86-4)

Cancer

Yes

0.42 %

Ethyl Benzene (100-41-4)

Cancer

Yes

0.28 %

Ethyl Benzene (100-41-4)

No significance risk level (NSRL)

54 µg/day

State Right-to-Know Lists

: The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated

Propane (74-98-6)

U.S. - New Jersey - Right to Know Hazardous Substance List

Ethyl Acetate (141-78-6)

U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

Carbon Black (1333-86-4)

U.S. - New Jersey - Right to Know Hazardous Substance List

Stoddard Solvent (8052-41-3)

U.S. - New Jersey - Right to Know Hazardous Substance List

Ethyl Benzene (100-41-4)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

Acetone (67-64-1)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16 - OTHER INFORMATION

Indication of changes

:

| Section | Changed item                | Change |
|---------|-----------------------------|--------|
| 1       | Supersedes                  | Added  |
| 1       | SDS US Regulation reference | Added  |

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|      |  |          |
|------|--|----------|
| 1    | Revision date                                | Modified |
| 1    | Date of issue                                | Modified |
| 1    | Product code                                 | Modified |
| 1    | Name   | Modified |
| 2.1  | GHS-US classification                        | Modified |
| 2.2  | Precautionary statements (GHS-US)            | Modified |
| 2.2  | Hazard pictograms (GHS-US)                   | Modified |
| 2.2  | Hazard statements (GHS-US)                   | Modified |
| 4    | Symptoms/effects                             | Added    |
| 4    | Symptoms/effects after eye contact           | Modified |
| 4.1  | First-aid measures after eye contact         | Modified |
| 5.2  | Fire hazard                                  | Added    |
| 5.2  | Explosion hazard                             | Added    |
| 6    | For containment                              | Added    |
| 6    | Methods for cleaning up                      | Modified |
| 6    | Emergency procedures                         | Modified |
| 7.1  | Precautions for safe handling                | Modified |
| 7.2  | Storage conditions                           | Modified |
| 8    | Compliance                                   | Added    |
| 8    | Remarks                                      | Added    |
| 8    | Hand Protection                              | Added    |
| 8    | Environmental Exposure Controls              | Added    |
| 8    | Respiratory Protection                       | Added    |
| 9    | Explosive properties                         | Added    |
| 9    | Appearance                                   | Added    |
| 9    | Melting point                                | Modified |
| 9    | Flash point                                  | Modified |
| 9    | Explosive limits (vol %)                     | Modified |
| 9    | Boiling point                                | Modified |
| 9    | Auto-ignition temperature                    | Modified |
| 9    | Specific gravity / density                   | Modified |
| 10   | Reactivity                                   | Modified |
| 10   | Conditions to avoid                          | Modified |
| 12.1 | Ecology - general                            | Modified |
| 14   | User Precautions                             | Added    |
| 14   | EmS Code (Column 15 in IMDG Book 2)          | Added    |
| 15   | Select the Appropriate Proposition 65 Notice | Modified |

### Full Text of H-Statements

| H Code | H Phrase  |
|--------|---|
| H220   | Extremely flammable gas   |
| H225   | Highly flammable liquid and vapour                                |
| H280   | Contains gas under pressure; may explode if heated                |
| H304   | May be fatal if swallowed and enters airways                      |
| H319   | Causes serious eye irritation                                     |
| H332   | Harmful if inhaled  |
| H336   | May cause drowsiness or dizziness                                 |
| H351   | Suspected of causing cancer                                       |
| H373   | May cause damage to organs through prolonged or repeated exposure |
| H401   | Toxic to aquatic life   |

### Disclaimer of Liability

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