

# SAFETY DATA SHEET.

Issuing date 21-Sep-2015

Revision Date 22-Sep-2015

Version 11.03

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

### Product identifier

**Product name** 4527 COPPER WELD THRU PRIMER

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

**Product code** 4527

**Product Type** Extremely flammable aerosol  
**Synonyms** None

### Supplier's details

**Recommended Use** Weld through primer (WTP).  
**Uses advised against** No information available

**Manufacturer:**  
International Epoxies & Sealers  
P.O. Box 185  
San Antonio, FL 33576

**Emergency telephone number**  
**Chemical Emergency Phone Number** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)  
**Emergency telephone** INTERNATIONAL EPOXIES & SEALERS 1-800-451-7206



IF ON SKIN: Wash with plenty of soap and water.  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed  
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None

**Other information**

• Very toxic to aquatic life with long lasting effects

0.947224296% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name              | CAS-No     | Weight %* |
|----------------------------|------------|-----------|
| PROPANE/ISOBUTANE/N-BUTANE | 68476-86-8 | 30-40     |
| METHYL ACETATE             | 79-20-9    | 20-30     |
| BUTYL ACETATE              | 123-86-4   | 10-20     |
| TOLUENE                    | 108-88-3   | 10-20     |
| ACETONE                    | 67-64-1    | 1-10      |
| COPPER POWDER              | 7440-50-8  | 1-10      |
| ZINC POWDER                | 7440-66-6  | 1-10      |
| XYLENE                     | 1330-20-7  | 0.1-1.0   |
| ETHYL BENZENE              | 100-41-4   | 0.1-1.0   |

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

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas.  |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.  |
| <b>Skin contact</b>   | Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Get medical attention immediately if symptoms occur.                                      |
| <b>Inhalation</b>     | Move to fresh air. If not breathing, give artificial respiration. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately. |

**Ingestion** Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

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

**Main Symptoms** Irritating to skin. Causes eye irritation. Inhalation causing Central Nervous System effects. Ingestion causing lung damage.

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

**Notes to physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water fog. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Cool containers/tanks with water spray.

**Unsuitable Extinguishing Media** Keep away from heat and sources of ignition. Cool containers / tanks with water spray.

**Specific hazards arising from the chemical**

Extremely flammable. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

**Explosion Data**

**Sensitivity to Mechanical Impact** none.

**Sensitivity to Static Discharge** Yes.

**Protective Equipment and Precautions for Firefighters**

In the event of fire and/or explosion do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use with adequate ventilation to keep the exposure levels below the OELS.

**Environmental precautions**

**Environmental precautions** Report spills as required by local and federal regulations.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Contain liquid and collect with an inert, non-combustible material.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

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

**Technical measures/Storage conditions** Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible products** Store away from strong acids, alkalis, or oxidizing agents.

Aerosol Level

2

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                            | ACGIH TLV   | OSHA PEL   | NIOSH IDLH   |
|--|---|--|--|
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | 74-98-6: TWA: 1000 ppm<br>106-97-8: STEL: 1000 ppm<br>75-28-5: STEL: 1000 ppm | 74-98-6:TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>106-97-8: (vacated) TWA: 800<br>ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>   | 74-98-6:IDLH: 2100 ppm<br>TWA: 1000 ppm<br>TWA: 1800 mg/m <sup>3</sup><br>106-97-8:TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>75-28-5:TWA: 800 ppm<br>TWA: 1900 mg/m <sup>3</sup>  |
| METHYL ACETATE<br>79-20-9                | STEL: 250 ppm<br>TWA: 200 ppm   | TWA: 200 ppm<br>TWA: 610 mg/m <sup>3</sup><br>(vacated) TWA: 200 ppm<br>(vacated) TWA: 610 mg/m <sup>3</sup><br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 760 mg/m <sup>3</sup>   | IDLH: 3100 ppm<br>TWA: 200 ppm<br>TWA: 610 mg/m <sup>3</sup><br>STEL: 250 ppm<br>STEL: 760 mg/m <sup>3</sup>   |
| BUTYL ACETATE<br>123-86-4                | STEL: 200 ppm<br>TWA: 150 ppm   | TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>(vacated) TWA: 150 ppm<br>(vacated) TWA: 710 mg/m <sup>3</sup><br>(vacated) STEL: 200 ppm<br>(vacated) STEL: 950 mg/m <sup>3</sup>   | IDLH: 1700 ppm<br>TWA: 150 ppm<br>TWA: 710 mg/m <sup>3</sup><br>STEL: 200 ppm<br>STEL: 950 mg/m <sup>3</sup>   |
| TOLUENE<br>108-88-3                      | TWA: 20 ppm   | TWA: 200 ppm<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 375 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 560 mg/m <sup>3</sup><br>Ceiling: 300 ppm   | IDLH: 500 ppm<br>TWA: 100 ppm<br>TWA: 375 mg/m <sup>3</sup><br>STEL: 150 ppm<br>STEL: 560 mg/m <sup>3</sup>  |
| ACETONE<br>67-64-1                       | STEL: 500 ppm<br>TWA: 250 ppm   | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup><br>(vacated) TWA: 750 ppm<br>(vacated) TWA: 1800 mg/m <sup>3</sup><br>(vacated) STEL: 2400 mg/m <sup>3</sup><br>The acetone STEL does not<br>apply to the cellulose acetate<br>fiber industry. It is in effect for all<br>other sectors<br>(vacated) STEL: 1000 ppm | IDLH: 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup>   |
| COPPER POWDER<br>7440-50-8               | TWA: 0.2 mg/m <sup>3</sup> fume TWA: 1<br>mg/m <sup>3</sup> Cu dust and mist  | TWA: 0.1 mg/m <sup>3</sup> fume<br>TWA: 1 mg/m <sup>3</sup> dust and mist<br>(vacated) TWA: 0.1 mg/m <sup>3</sup> Cu<br>dust, fume, mist   | IDLH: 100 mg/m <sup>3</sup> dust, fume and<br>mist IDLH: 100 mg/m <sup>3</sup> Cu dust<br>and mist<br>TWA: 1 mg/m <sup>3</sup> dust and mist<br>TWA: 0.1 mg/m <sup>3</sup> fume TWA: 1<br>mg/m <sup>3</sup> Cu dust and mist |
| XYLENE<br>1330-20-7                      | STEL: 150 ppm<br>TWA: 100 ppm   | TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m <sup>3</sup><br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 655 mg/m <sup>3</sup>   | -  |
| ETHYL BENZENE<br>100-41-4                | TWA: 20 ppm   | TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m <sup>3</sup><br>(vacated) STEL: 125 ppm<br>(vacated) STEL: 545 mg/m <sup>3</sup>   | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 435 mg/m <sup>3</sup><br>STEL: 125 ppm<br>STEL: 545 mg/m <sup>3</sup>  |

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety &amp; Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Exposure controls**

**Engineering Measures** Ventilation systems. Use adequate ventilation to keep the exposure levels below the OELs.

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

- Eye/Face Protection** Safety glasses with side-shields.
- Skin and body protection** Chemical resistant apron. Protective gloves.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and chemical properties**

|                       |         |                       |                          |
|-----------------------|---------|-----------------------|--------------------------|
| <b>Physical state</b> | Aerosol | <b>Odor</b>           | Solvent                  |
| <b>Appearance</b>     | opaque  | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | Copper  |                       |                          |

| <u>Property</u>                               | <u>Values</u>            | <u>Remarks • Methods</u> |
|---|--------------------------|--------------------------|
| <b>pH</b>                                     | No information available |                          |
| <b>Melting/freezing point</b>                 | No information available |                          |
| <b>Boiling point/boiling range</b>            | No information available |                          |
| <b>Flash Point</b>                            | -96.4 °C / -141 °F       | Based on propellant      |
| <b>Evaporation rate</b>                       | No information available |                          |
| <b>Flammability (solid, gas)</b>              | No information available |                          |
| <b>Flammability Limits in Air</b>             |                          |                          |
| <b>upper flammability limit</b>               | No information available |                          |
| <b>lower flammability limit</b>               | No information available |                          |
| <b>Vapor pressure</b>                         | No information available |                          |
| <b>Vapor density</b>                          | No information available |                          |
| <b>Specific Gravity</b>                       | 0.846                    |                          |
| <b>Water solubility</b>                       | Practically insoluble    |                          |
| <b>Partition coefficient: n-octanol/water</b> | No information available |                          |
| <b>Autoignition temperature</b>               | No information available | Not applicable           |
| <b>Decomposition temperature</b>              | No information available |                          |
| <b>Viscosity</b>                              | No information available |                          |
| <b>Explosive properties</b>                   | No information available |                          |

**Other information**

**VOC Content(%)** 54.66

**10. STABILITY AND REACTIVITY**

**Reactivity**

Stable under recommended storage conditions

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Store away from strong acids,alkalis, or oxidizing agents.

**Hazardous Decomposition Products**

Carbon oxides. Fumes. Hydrocarbons.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known information                                      |
| <b>Inhalation</b>          | Exposure to high vapour concentrations may cause nervous systems effects such as headache, nausea, and dizziness. |
| <b>Eye contact</b>         | Irritating to eyes. Avoid contact with eyes.  |
| <b>Skin contact</b>        | Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis.                             |
| <b>Ingestion</b>           | Not acutely toxic. Aspiration into the lungs during swallowing may be harmful.                                    |

**Component Information**

| Chemical Name             | LD50 Oral             | LD50 Dermal              | LC50 Inhalation                       |
|---------------------------|-----------------------|--------------------------|---------------------------------------|
| METHYL ACETATE<br>79-20-9 | > 5 g/kg ( Rat )      | > 5 g/kg ( Rabbit )      | = 16000 ppm ( Rat ) 4 h               |
| BUTYL ACETATE<br>123-86-4 | = 10768 mg/kg ( Rat ) | > 17600 mg/kg ( Rabbit ) | = 390 ppm ( Rat ) 4 h                 |
| TOLUENE<br>108-88-3       | = 2600 mg/kg ( Rat )  | = 12000 mg/kg ( Rabbit ) | = 12.5 mg/L ( Rat ) 4 h               |
| ACETONE<br>67-64-1        | = 5800 mg/kg ( Rat )  | -                        | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h |
| XYLENE<br>1330-20-7       | = 3500 mg/kg ( Rat )  | > 4350 mg/kg ( Rabbit )  | = 29.08 mg/L ( Rat ) 4 h              |
| ETHYL BENZENE<br>100-41-4 | = 3500 mg/kg ( Rat )  | = 15400 mg/kg ( Rabbit ) | = 17.2 mg/L ( Rat ) 4 h               |

**Information on toxicological effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Symptoms of overexposure may be headache,dizziness, tiredness, nausea,and vomiting. Causes eye and skin irritation. May cause respiratory system irritation. Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be harmful. |
|-----------------|---|

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|                                  |   |
|----------------------------------|---|
| <b>Skin corrosion/irritation</b> | Irritating to skin.   |
| <b>Eye damage/irritation</b>     | Irritating to eyes.   |
| <b>Irritation</b>                | Irritating to eyes, respiratory system and skin.  |
| <b>Sensitization</b>             | None known.   |
| <b>Germ Cell Mutagenicity</b>    | None known.   |
| <b>Carcinogenicity</b>           | The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen. There are no known carcinogenic chemicals in this product. |

| Chemical Name       | ACGIH | IARC    | NTP | OSHA |
|---------------------|-------|---------|-----|------|
| TOLUENE<br>108-88-3 | -     | Group 3 | -   | -    |
| XYLENE<br>1330-20-7 | -     | Group 3 | -   | -    |

|                           |    |          |   |   |
|---------------------------|----|----------|---|---|
| ETHYL BENZENE<br>100-41-4 | A3 | Group 2B | - | - |
|---------------------------|----|----------|---|---|

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Group 2B - Possibly Carcinogenic to Humans

|  |   |
|--|---|
| <b>Reproductive toxicity</b>                                       | Product is or contains a chemical which is a known or suspected reproductive hazard.  |
| <b>Specific target organ systemic toxicity (single exposure)</b>   | May cause drowsiness and dizziness. May cause respiratory irritation.   |
| <b>Specific target organ systemic toxicity (repeated exposure)</b> | May cause damage to organs through prolonged or repeated exposure.  |
| <b>Chronic toxicity</b>  | Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse liver effects. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. |
| <b>Target Organ Effects</b>  | Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin.  |
| <b>Neurological effects</b>  | Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.   |
| <b>Aspiration hazard</b>   | May be fatal if swallowed and enters airways.   |

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 0.947224296% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |             |
|--------------------------------------|-------------|
| <b>ATEmix (oral)</b>                 | 17255 mg/kg |
| <b>ATEmix (dermal)</b>               | 2315 mg/kg  |
| <b>ATEmix (inhalation-gas)</b>       | 996173 mg/l |
| <b>ATEmix (inhalation-dust/mist)</b> | 6.3 mg/l    |
| <b>ATEmix (inhalation-vapor)</b>     | 55096 mg/l  |

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

| Chemical Name                            | Toxicity to algae                                 | Toxicity to fish  | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|--|---|---|----------------------------|---|
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | -   | -   | -                          | -   |
| METHYL ACETATE<br>79-20-9                | 120 mg/L EC50<br>Desmodesmus subspicatus<br>72h   | 295 - 348 mg/L LC50<br>Pimephales promelas 96h<br>flow-through 250 - 350 mg/L<br>LC50 Brachydanio rerio 96h<br>static | -                          | 1026.7 mg/L EC50 Daphnia<br>magna 48h               |
| BUTYL ACETATE<br>123-86-4                | 674.7 mg/L EC50<br>Desmodesmus subspicatus<br>72h | 100 mg/L LC50 Lepomis<br>macrochirus 96h static 17 -<br>19 mg/L LC50 Pimephales<br>promelas 96h flow-through          | -                          | -   |



|                            |  |  |   |   |
|----------------------------|--|--|---|---|
| TOLUENE<br>108-88-3        | 433 mg/L EC50<br>Pseudokirchneriella<br>subcapitata 96h 12.5 mg/L<br>EC50 Pseudokirchneriella<br>subcapitata 72h static                                | 15.22 - 19.05 mg/L LC50<br>Pimephales promelas 96h<br>flow-through 12.6 mg/L LC50<br>Pimephales promelas 96h<br>static 5.89 - 7.81 mg/L LC50<br>Oncorhynchus mykiss 96h<br>flow-through 14.1 - 17.16<br>mg/L LC50 Oncorhynchus<br>mykiss 96h static 5.8 mg/L<br>LC50 Oncorhynchus mykiss<br>96h semi-static 11.0 - 15.0<br>mg/L LC50 Lepomis<br>macrochirus 96h static 54<br>mg/L LC50 Oryzias latipes<br>96h static 28.2 mg/L LC50<br>Poecilia reticulata 96h<br>semi-static 50.87 - 70.34<br>mg/L LC50 Poecilia<br>reticulata 96h static               | - | 5.46 - 9.83 mg/L EC50<br>Daphnia magna 48h Static<br>11.5 mg/L EC50 Daphnia<br>magna 48h            |
| ACETONE<br>67-64-1         | -  | 4.74 - 6.33 mL/L LC50<br>Oncorhynchus mykiss 96h<br>6210 - 8120 mg/L LC50<br>Pimephales promelas 96h<br>static 8300 mg/L LC50<br>Lepomis macrochirus 96h   | - | 10294 - 17704 mg/L EC50<br>Daphnia magna 48h Static<br>12600 - 12700 mg/L EC50<br>Daphnia magna 48h |
| COPPER POWDER<br>7440-50-8 | 0.0426 - 0.0535 mg/L EC50<br>Pseudokirchneriella<br>subcapitata 72h static 0.031<br>- 0.054 mg/L EC50<br>Pseudokirchneriella<br>subcapitata 96h static | 0.0068 - 0.0156 mg/L LC50<br>Pimephales promelas 96h<br>0.3 mg/L LC50 Pimephales<br>promelas 96h static 0.2 mg/L<br>LC50 Pimephales promelas<br>96h flow-through 0.052 mg/L<br>LC50 Oncorhynchus mykiss<br>96h flow-through 1.25 mg/L<br>LC50 Lepomis macrochirus<br>96h static 0.3 mg/L LC50<br>Cyprinus carpio 96h<br>semi-static 0.8 mg/L LC50<br>Cyprinus carpio 96h static<br>0.112 mg/L LC50 Poecilia<br>reticulata 96h flow-through   | - | 0.03 mg/L EC50 Daphnia<br>magna 48h Static  |
| ZINC POWDER<br>7440-66-6   | 0.11 - 0.271 mg/L EC50<br>Pseudokirchneriella<br>subcapitata 96h static 0.09 -<br>0.125 mg/L EC50<br>Pseudokirchneriella<br>subcapitata 72h static     | 2.16 - 3.05 mg/L LC50<br>Pimephales promelas 96h<br>flow-through 0.211 - 0.269<br>mg/L LC50 Pimephales<br>promelas 96h semi-static<br>2.66 mg/L LC50 Pimephales<br>promelas 96h static 30 mg/L<br>LC50 Cyprinus carpio 96h<br>0.45 mg/L LC50 Cyprinus<br>carpio 96h semi-static 7.8<br>mg/L LC50 Cyprinus carpio<br>96h static 0.59 mg/L LC50<br>Oncorhynchus mykiss 96h<br>semi-static 0.41 mg/L LC50<br>Oncorhynchus mykiss 96h<br>static 3.5 mg/L LC50<br>Lepomis macrochirus 96h<br>static 0.24 mg/L LC50<br>Oncorhynchus mykiss 96h<br>flow-through | - | 0.139 - 0.908 mg/L EC50<br>Daphnia magna 48h Static   |

|                           |   |  |   |   |
|---------------------------|---|--|---|---|
| XYLENE<br>1330-20-7       | -   | 13.4 mg/L LC50 Pimephales promelas 96h flow-through<br>2.661 - 4.093 mg/L LC50 Oncorhynchus mykiss 96h static<br>13.5 - 17.3 mg/L LC50 Oncorhynchus mykiss 96h<br>13.1 - 16.5 mg/L LC50 Lepomis macrochirus 96h flow-through<br>19 mg/L LC50 Lepomis macrochirus 96h<br>7.711 - 9.591 mg/L LC50 Lepomis macrochirus 96h static<br>780 mg/L LC50 Cyprinus carpio 96h<br>30.26 - 40.75 mg/L LC50 Poecilia reticulata 96h static<br>23.53 - 29.97 mg/L LC50 Pimephales promelas 96h static<br>780 mg/L LC50 Cyprinus carpio 96h semi-static | - | 3.82 mg/L EC50 water flea 48h<br>0.6 mg/L LC50 Gammarus lacustris 48h |
| ETHYL BENZENE<br>100-41-4 | 4.6 mg/L EC50 Pseudokirchneriella subcapitata 72h<br>438 mg/L EC50 Pseudokirchneriella subcapitata 96h<br>2.6 - 11.3 mg/L EC50 Pseudokirchneriella subcapitata 72h static<br>1.7 - 7.6 mg/L EC50 Pseudokirchneriella subcapitata 96h static | 11.0 - 18.0 mg/L LC50 Oncorhynchus mykiss 96h static<br>4.2 mg/L LC50 Oncorhynchus mykiss 96h semi-static<br>7.55 - 11 mg/L LC50 Pimephales promelas 96h flow-through<br>32 mg/L LC50 Lepomis macrochirus 96h static<br>9.1 - 15.6 mg/L LC50 Pimephales promelas 96h static<br>9.6 mg/L LC50 Poecilia reticulata 96h static  | - | 1.8 - 2.4 mg/L EC50 Daphnia magna 48h                                 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

| Chemical Name                            | log Pow     |
|--|-------------|
| PROPANE/ISOBUTANE/N-BUTANE<br>68476-86-8 | <=2.8       |
| METHYL ACETATE<br>79-20-9                | 0.18        |
| BUTYL ACETATE<br>123-86-4                | 1.81        |
| TOLUENE<br>108-88-3                      | 2.65        |
| ACETONE<br>67-64-1                       | -0.24       |
| XYLENE<br>1330-20-7                      | 2.77 - 3.15 |
| ETHYL BENZENE<br>100-41-4                | 3.118       |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment****Waste Disposal Methods**

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging** Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

**DOT Ground** CONSUMER COMMODITY ORM-D  
or  
LIMITED QUANTITY

**IATA** UN1950, AEROSOLS, FLAMMABLE, 2.1,LTD.QTY.

**IMDG** UN1950, AEROSOLS, 2.1,LTD.QTY.

### 15. REGULATORY INFORMATION

#### International Inventories

| Chemical Name              | TSCA | DSL/NDSL | EINECS/ELI<br>NCS | ENCS       | IECSC | KECL | PICCS | AICS |
|----------------------------|------|----------|-------------------|------------|-------|------|-------|------|
| PROPANE/ISOBUTANE/N-BUTANE | X    | X        | X                 | Not listed | X     | X    | X     | X    |
| METHYL ACETATE             | X    | X        | X                 | X          | X     | X    | X     | X    |
| BUTYL ACETATE              | X    | X        | X                 | X          | X     | X    | X     | X    |
| TOLUENE                    | X    | X        | X                 | X          | X     | X    | X     | X    |
| ACETONE                    | X    | X        | X                 | X          | X     | X    | X     | X    |
| COPPER POWDER              | X    | X        | X                 | Not listed | X     | X    | X     | X    |
| ZINC POWDER                | X    | X        | X                 | Not listed | X     | X    | X     | X    |
| XYLENE                     | X    | X        | X                 | X          | X     | X    | X     | X    |
| ETHYL BENZENE              | X    | X        | X                 | X          | X     | X    | X     | X    |

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

#### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name             | CAS-No    | Weight %* | SARA 313 - Threshold Values % |
|---------------------------|-----------|-----------|-------------------------------|
| TOLUENE - 108-88-3        | 108-88-3  | 10-20     | 1.0                           |
| COPPER POWDER - 7440-50-8 | 7440-50-8 | 1-10      | 1.0                           |
| ZINC POWDER - 7440-66-6   | 7440-66-6 | 1-10      | 1.0                           |
| XYLENE - 1330-20-7        | 1330-20-7 | 0.1-1.0   | 1.0                           |

|                          |          |         |     |
|--------------------------|----------|---------|-----|
| ETHYL BENZENE - 100-41-4 | 100-41-4 | 0.1-1.0 | 0.1 |
|--------------------------|----------|---------|-----|

**SARA 311/312 Hazard Categories**

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

**Clean Water Act**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name              | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|----------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| BUTYL ACETATE<br>123-86-4  | 5000 lb                     |                        |                           | X                          |
| TOLUENE<br>108-88-3        | 1000 lb                     | X                      | X                         | X                          |
| COPPER POWDER<br>7440-50-8 |                             | X                      | X                         |                            |
| ZINC POWDER<br>7440-66-6   |                             | X                      | X                         |                            |
| XYLENE<br>1330-20-7        | 100 lb                      |                        |                           | X                          |
| ETHYL BENZENE<br>100-41-4  | 1000 lb                     | X                      | X                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name              | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ   |
|----------------------------|--------------------------|------------------------------------|--|
| BUTYL ACETATE<br>123-86-4  | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ   |
| TOLUENE<br>108-88-3        | 1000 lb 1 lb             |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ RQ 1 lb final RQ<br>RQ 0.454 kg final RQ |
| ACETONE<br>67-64-1         | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ   |
| COPPER POWDER<br>7440-50-8 | 5000 lb                  |                                    | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ   |
| ZINC POWDER<br>7440-66-6   | 1000 lb                  |                                    | RQ 454 kg final RQ<br>RQ 1000 lb final RQ  |
| XYLENE<br>1330-20-7        | 100 lb                   |                                    | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ  |
| ETHYL BENZENE<br>100-41-4  | 1000 lb                  |                                    | RQ 1000 lb final RQ<br>RQ 454 kg final RQ  |

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Chemical Name            | California Prop. 65 |
|--------------------------|---------------------|
| TOLUENE - 108-88-3       | Developmental       |
| ETHYL BENZENE - 100-41-4 | Carcinogen          |

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

| Chemical Name             | New Jersey | Massachusetts | Pennsylvania |
|---------------------------|------------|---------------|--------------|
| METHYL ACETATE<br>79-20-9 | X          | X             | X            |

|                            |   |   |   |
|----------------------------|---|---|---|
| BUTYL ACETATE<br>123-86-4  | X | X | X |
| TOLUENE<br>108-88-3        | X | X | X |
| ACETONE<br>67-64-1         | X | X | X |
| COPPER POWDER<br>7440-50-8 | X | X | X |
| ZINC POWDER<br>7440-66-6   | X | X | X |
| XYLENE<br>1330-20-7        | X | X | X |
| ETHYL BENZENE<br>100-41-4  | X | X | X |

EPA Pesticide Registration Number Not applicable

#### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

#### WHMIS Hazard Class

A Compressed gases  
D2B Toxic materials  
B5 Flammable aerosol



### 16. OTHER INFORMATION

|                                   |                         |   |                          |  |
|-----------------------------------|-------------------------|---|--------------------------|--|
| <b>NFPA</b>                       | <b>Health Hazard 2</b>  | <b>Flammability 4</b>   | <b>Instability 0</b>     | <b>Physical and chemical hazards -</b> |
| <b>HMIS</b>                       | <b>Health Hazard 2*</b> | <b>Flammability 4</b>   | <b>Physical Hazard 1</b> | <b>Personal protection B</b>           |
| <i>Chronic Hazard Star Legend</i> |                         | <i>Chronic Health Hazard Repeated or prolonged exposure may cause central nervous system damage</i> |                          |  |

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**Issuing date** 21-Sep-2015  
**Revision Date** 22-Sep-2015

**Revision Note**  
No information available

#### **Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**