MATERIAL SAFETY DATA SHEET

PRODUCT                      ALL ACID ZINC M BRIGHTNERS

1. INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS        None

2. PHYSICAL AND CHEMICAL PROPERTIES

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<td>PHYSICAL STATE</td>
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<tr>
<td>2</td>
<td>COLOUR</td>
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<tr>
<td>3</td>
<td>SPECIFIC GRAVITY</td>
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<tr>
<td>4</td>
<td>SOLUBILITY IN WATER</td>
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<tr>
<td>5</td>
<td>ODOUR</td>
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<tr>
<td>6</td>
<td>OTHER (pH)</td>
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3. HEALTH HAZARD IDENTIFICATION ACUTE TOXICITY

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<tbody>
<tr>
<td>1</td>
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<td>2</td>
<td>INGESTION</td>
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<tr>
<td>3</td>
<td>SKIN</td>
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<tr>
<td>4</td>
<td>EYES</td>
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<td>5</td>
<td>CHRONIC EXPOSURE</td>
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<td>6</td>
<td>CARCINOGEN REFERENCE</td>
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4. EMERGENCY AND FIRST AID MEASURES

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5. FIRE FIGHTING MEASURES

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2. EXTINGUISHING MEDIA
Water fog or spray / carbon dioxide / foam.

3. SPECIAL FIRE FIGHTING PROCEDURES
Wear protective clothing and self contained breathing apparatus. Keep containers cool to prevent rupture and release of material.

4. UNUSUAL FIRE AND EXPLOSION HAZARD
Not Known

6. ACCIDENTAL RELEASE MEASURES
Avoid contact with skin, eyes and clothing. Contain spill and soak up in suitable absorbent. Shovel up into plastic containers and cover. Dispose of in accordance with local and state regulations.

7. HANDLING AND STORAGE
HANDLING
No special measures necessary provided the product is used correctly

STORAGE
Store in cool & dry place under closed condition to avoid any contaminations. Keep away from oxidizers. Loosen cover cautiously when opening. Keep container closed when not in use. Keep only in original containers. Store above freezing temperature.

8. PERSONAL PROTECTIVE EQUIPMENT
1. VENTILATION
Local exhaust or general ventilation.

2. RESPIRATOR
Use Niosh approved respirator whenever necessary

3. EYE PROTECTION
Chemical safety goggles or face shields

4. GLOVES
Neoprene / Natural Rubber

5. OTHER PROTECTIVE CLOTHINGS
Chemically resistant coveralls, hat & shoes or boots.

6. GENERAL SAFETY AND HYGIENE MEASURES.
Handle in accordance with good industrial hygiene and safety practice. Safety showers and eye wash stations should be provided in areas where this product is used. Wash with soap and water after use.

7. DISPOSAL CONSIDERATIONS
Wash thoroughly the empty packing material/ drum/ carboys and collect the washing in suitable containers & dispose the same in accordance to the local state and national regulations

9. STABILITY REACTIVITY DATA
1. STABILITY
Stable
2 CONDITIONS TO AVOID N.A

3 INCOMPATABILITY Oxidizers
(Material to avoid)

4 HAZARDOUS
DECOMPOSITION Toxic oxides of carbon and sulphur.

5 HAZARDOUS
POLYMERIZATION Will not occur.

N. A: Not applicable
T. S: Trade Secret as per 29 CFR 1910.1200
CAS: Chemical Abstract Service
PEL: OSHA Permissible Exposure Limit

DISCLAIMERS

The information presented here is believed to be accurate and represent the best information currently available to us. However we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The conditions or methods of handling, storage and disposal are beyond our control and may be beyond our knowledge, for this and other reasons we do not assume responsibility and expressly disclaim liability for loss, damage or expenses any way connected with the handling, storage, use or disposal of the product.
MATERIAL SAFETY DATA SHEET

PRODUCT ALL ACID ZINC R BRIGHTNERS

1. INFORMATION ON INGREDIENTS

HAZARDOUS Aliphatic Alcohol
INGREDIENTS Aromatic Aldehydic Compound

2. PHYSICAL AND CHEMICAL PROPERTIES

1. PHYSICAL STATE liquid
2. COLOUR Pale yellow to Brown
3. SPECIFIC GRAVITY 1.030 - 1.080
4. SOLUBILITY IN WATER Limited
5. ODORIRRITATING
6. OTHER (pH) 4 - 6

3. HEALTH HAZARD IDENTIFICATION ACUTE TOXICITY

1. INHALATION Mist or vapor may irritate respiratory tract.
2. INGESTION Can cause irritation to mouth, throat and stomach.
3. SKIN Can cause irritation.
4. EYES Can cause irritation.
5. CHRONIC EXPOSURE Not established
6. CARCINOGEN REFERENCE Not listed by NTP, IARC, OSHA

4. EMERGENCY AND FIRST AID MEASURES

1. INHALATION Remove person from contaminated area, if breathing is difficult. Seek medical attention immediately.
2. INGESTION Never give anything by mouth to an unconscious person. Seek medical attention immediately. If swallowed give large amounts of water and induce vomiting.
3. EYES Wash with plenty of water and seek medical attention.
4. SKIN Wash with plenty of water. Remove contaminated clothing and footwear. Seek medical attention.

5. ACCIDENTAL RELEASE MEASURES
Avoid contact with skin, eyes and clothing. Contain spill and soak up in suitable absorbent. Shovel up into plastic containers and cover. Dispose of in accordance with local and state regulations.

### 6. HANDLING AND STORAGE

**HANDLING**

No special measures necessary provided the product is used correctly.

**STORAGE**

Store in cool & dry place under closed condition to avoid any contaminations keep away from oxidizers. Loosen cover cautiously when opening. keep container closed when not in use. Keep only in original containers Store above freezing temperature.

### 7. PERSONAL PROTECTIVE EQUIPMENT

1. **VENTILATION**
   - Local exhaust or general ventilation.

2. **RESPIRATOR**
   - Use Niosh approved respirator whenever necessary.

3. **EYE PROTECTION**
   - Chemical safety goggles or face shields.

4. **GLOVES**
   - Neoprene / Natural Rubber.

5. **OTHER PROTECTIVE CLOTHINGS**
   - Chemically resistant coveralls, hat & shoes or boots.

6. **GENERAL SAFETY AND HYGIENE MEASURES**
   - Handle in accordance with good industrial hygiene and safety practice. Safety showers and eye wash stations should be provided in areas where this product is used. Wash with soap and water after use.

7. **DISPOSAL CONSIDERATIONS**
   - Wash thoroughly the empty packing material/ drum/ carboys and collect the washing in suitable containers & dispose the same in accordance to the local state and national regulations.

### 8. STABILITY REACTIVITY DATA

1. **STABILITY**
   - Stable

2. **CONDITIONS TO AVOID**
   - N.A

3. **INCOMPATABILITY (Material to avoid)**
   - Oxidizers

4. **HAZARDOUS DECOMPOSITION**
   - Toxic oxides of carbon and sulphur.

5. **HAZARDOUS POLYMERIZATION**
   - Will not occur.

N. A : Not applicable
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