1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **H-4247 – Sodium Hexameta Phosphate**

Distributed By: Humboldt Manufacturing Co.
875 Tollgate Road
Elgin, IL 60123
Phone: (708) 456-6300

Manufactured By: MCI Masters Company Inc
890 Lively Blvd., Wood Dale, IL 60191
Phone: 630-238-9292

To the best of our knowledge, this Safety Data Sheet is prepared to comply with US OSHA 29 CFR 1910.1200 and other governmental agencies both domestic and foreign. Hazard and precautionary statements are based on maximum listed concentrations of each hazardous ingredient. Unlisted ingredients are not “hazardous” per the OSHA Hazard Communication Standard (29 CFR 1910.1200) and/or other governmental agencies.

**DOT Label(s):** Non Regulated Materials

**GHS Pictogram(s):** Irritant

**HMIS:**
- HEALTH: 0
- FLAMMABILITY: 0
- REACTIVITY: 0
- PROTECTIVE EQUIPMENT: 0

**Personal Protective Equipment(s):** Safety Glasses, Gloves

2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATION/LABEL ELEMENTS**

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>GHS Pictogram(s)</th>
<th>Hazard Statements</th>
<th>Precautionary Statements</th>
</tr>
</thead>
</table>

3. PRODUCT INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>% by Wt.</th>
<th>CAS Number</th>
<th>Hazard Statements (Section 15)</th>
<th>GHS Hazard Pictogram(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyposphoric acids, sodium salts</td>
<td>&gt;99</td>
<td>50813-16-6</td>
<td>H303-May be harmful if swallowed. H316-Causes mild skin irritation. H320-Causes eye irritation.</td>
<td>!</td>
</tr>
<tr>
<td>Non Hazardous Ingredient</td>
<td>&lt;1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen.

Call a physician if any difficulties persist.

**Eyes:**

Flush eyes with a large amount of water for 15 minutes. Seek medical attention immediately if any irritation persists. After first aid, get appropriate in-plant, paramedic or community medical support.

**Skin:**

Wash affected areas thoroughly with soap and water for at least 15 minutes. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention if any irritation persists.

**Ingestion:**

If person can swallow, give 2 glasses of water to drink. DO NOT INDUCE VOMITING! After first aid, seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person. **After first aid, get appropriate in-plant, paramedic, or community medical support.**

5. FIRE FIGHTING MEASURES

**Flammability Classification:** Non Flammable

**Suitable Extinguishing Media:** Water fog, Alcohol foam, Carbon Dioxide, Dry Chemical

**Unusual Fire or Explosion Hazards:** None known other than material can splatter above 100°F/212°F.

**Hazardous Combustion Products:** Unknown but carbon monoxide may be released on burning.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.
Hazardous Decomposition

Chemical Incompatibilities:

Hazardous Polymerization:

Conditions to Avoid:

Stability:

10. STABILITY AND REACTIVITY

Boiling Point:

% Volatile:

Other Solubilities:

Water

Specific Gravity:

pH:

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:

pH: Of A 1% solution

Specific Gravity:

Water Solubility:

Other Solubilities:

% Volatile:

Boiling Point:

10. STABILITY AND REACTIVITY

Stability:

Conditions to Avoid:

Hazardous Polymerization:

Chemical Incompatibilities:

Hazardous Decomposition:

Products:

This product is stable at room temperature in closed containers under normal storage and handling conditions. However, avoid temperature extremes.

Excessive temperature, contact with any type of reactive chemicals

Hazardous polymerization will not occur.

Avoid contact with Strong Acids, Strong Alkalis, Oxidizers or any other type of reactive material.

There are no known hazardous decomposition products for this material unless the material is burned in which case undetermined evolution of toxic gases may occur.

This product is stable at room temperature in closed containers under normal storage and handling conditions. However, avoid temperature extremes.

Excessive temperature, contact with any type of reactive chemicals

Hazardous polymerization will not occur.

Avoid contact with Strong Acids, Strong Alkalis, Oxidizers or any other type of reactive material.

There are no known hazardous decomposition products for this material unless the material is burned in which case undetermined evolution of toxic gases may occur.
11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS No.:</th>
<th>LD50 of Ingredient (Specify Species &amp; Route)</th>
<th>LD50 Dermal of Ingredient (Specify Species)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyporphosphoric acids, sodium salts</td>
<td>68915-31-1</td>
<td>6,600mg/kg Oral Rat 4320mg/kg Oral Mouse</td>
<td>7940mg/kg Rabbit 1300mg/kg Subcutaneous Mouse</td>
</tr>
</tbody>
</table>

Primary Irritant Effects:
- Absorbed through skin, Dermal Contact, Eye Contact, Inhalation.
- Irritation to eyes & possible burning if materials are not immediately rinsed from the eye.
- Irritation to skin.
- Not tested for this blend. Harmful if swallowed.
- No specific studies have been conducted for this specific blend.
- No other information for chronic effects on humans.
- No studies have been performed for this specific product blend.

Special Remarks - Human Chronic Effects: No other information for chronic effects on humans.
Carcinogenity: IARC, NTP, and OSHA do not list this product or its components as a carcinogen.
Mutagenicity: No mutagenic effects are known to be applicable for the formulation components of this product.
Teratogenicity: No studies have been performed for this specific product blend.
Target Organ Statement: No studies have been conducted for this specific product blend.

12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS No.:</th>
<th>LC:50</th>
<th>EC:50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyporphosphoric acids, sodium salts</td>
<td>50813-16-6</td>
<td>No data at publication</td>
<td>No data at publication</td>
</tr>
</tbody>
</table>

Special Remarks - Products of biodegradation: No information at publication.

13. WASTE DISPOSAL CONSIDERATIONS

Disposal Regulatory Requirements: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state and local regulations.
Container Cleaning and Disposal: Triple rinse the empty containers with water before disposal to reconditioned or landfill or garbage.

14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>Proper Shipping Name:</th>
<th>NON REGULATED MATERIALS</th>
<th>DOT Shipping Label(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contains:</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Hazard Class:</td>
<td>Marine Pollutant:</td>
<td>UN Number: NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Packing Group: NA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ERG Number: NA</td>
</tr>
<tr>
<td>Non Hazardous:</td>
<td>No</td>
<td>NA</td>
</tr>
<tr>
<td>Special Shipping Notations:</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49, Parts 100-177, IMDG, IATA, EU, United Nations, TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

15. REGULATORY INFORMATION

Hazard Symbols:

Hazard Statements:
- H303-May be harmful if swallowed
- H316-Causes mild skin irritation.
- H320-Causes eye irritation

Precautionary Statements:
- P102+P103-Keep out of reach of children. Read label before use.
- P233+P234-Keep container tightly closed. Keep only in original container.
- P262-Do not get in eyes, on skin, or on clothing.
- P264-Wash thoroughly after handling.
- P270-Do not eat, drink or smoke when using this product.
- P281-Use personal protective equipment as required.
- P301+330+331- If swallowed, rinse mouth. Do not induce vomiting.
- P304+341-If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338-If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present.

EPA Regulations:

RCRA Hazardous Waste Number: Product blend is not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification (40 CFR 261.): Product blend is not classified.
CERCLA Hazardous Substance (40 CFR 302.4): Product blend is unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307 (a),
CAA, Sec. 112 CERCLA Reportable Quantity (RQ): Not listed
SARA 313 Codes: This product is subject to the reporting requirements of section 313 of the Emergency Planning and Not listed
| SARA Toxic Chemical (40CFR 372.65): | Not listed |
| Sara 302/304 Extremely Hazardous Substance (40CFR 355): | Not listed |
| Sara 313 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): | Not listed |
| Threshold Planning Quantity (TPQ): | Not listed |
| OSHA Regulations: | Not listed |
| Air Contaminant (20 CFR 1910.1000, Table Z-1, Z-1-A): | Not listed. |
| OSHA Specifically Regulated Substance (29 CFR 1910.): | Not Listed |
| State Regulations: | As a product blend, the materials are generally not listed. Check with your local state regulatory board for more detailed information regarding the specific components of this product. |
| National Regulations: | All components of this product are listed in the U.S. Environmental Protection Agencies, Toxic Substance Control Act (TSCA) Chemical Substance Inventory. |

16. OTHER INFORMATION

SDS Prepared/Reviewed By: G.S. Garcia-Technical Director
Date of Preparation: 3/1/2015

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

USER’S RESPONSIBILITY

The information and recommendations contained herein cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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