



Safety Data Sheet

Better Chemistry. Better Business

B4-M **Revised:** 11/6/17

1 IDENTIFICATION

Product Name: B4-M
Product Code :2800168
Recommended use of the chemical and restrictions on use:Industrial applications

Hubbard-Hall Inc.
563 South Leonard Street
Waterbury, CT 06708
Telephone: 203-756-5521
Fax number: 203-756-9017

Emergency Phone Number
CHEMTREC: 1 (800) 424-9300
International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: WARNING

Hazard Category: Skin Corrosion/Irritation Hazard Category 2
Eye Damage/Irritation Hazard Category 2A

Hazard Statements: Causes serious eye irritation.
Causes skin irritation.

Prevention: Wash skin thoroughly after handling.
Wear rubber gloves, goggles and chemical protective clothing.

Response: If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get Medical advice/attention.
Specific treatment - refer to poison center or doctor for advice.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

Components with Unknown Acute Toxicity Oral=12% Dermal = 12%

3 COMPOSITION INFORMATION

| Chemical Name | Common Name And Synonyms | CAS No. and other Unique identifiers | Concentration % |
|---------------------------|--------------------------|--------------------------------------|-----------------|
| Tetrasodium Pyrophosphate | - | 7722-88-5 | ~30% |
| Sodium Carbonate | Soda Ash | 497-19-8 | ~15% |
| Sodium Vegate | - | 68082-64-4 | ~12% |

4 FIRST AID

After Inhalation:

Remove exposed person to fresh air and support breathing as needed.

After Skin Contact:

Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Most Important Symptoms/Effects**Inhalation:**

Symptoms may include irritation to the nose, throat and upper respiratory tract.

Eye:

Adverse symptoms may include the following: Symptoms may include redness, pain, blurred vision, eye burns and permanent eye damage.

Skin:

Adverse symptoms may include the following: May cause redness, pain and severe skin burns.

Ingestion:

Adverse symptoms may include the following: Symptoms may include severe burns of the mouth, throat and stomach. Ingestion of large quantities may cause gastrointestinal irritation, vomiting and diarrhea.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

Special protective equipment and precautions for firefighter

Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc

Wear chemical goggle, gloves and face shield and protective clothing.

Prevent spilled product from drains, sewers, waterways and soil.

Methods and Materials for containment & cleaning up:

Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

7 HANDLING AND STORAGE

| | |
|--|--|
| Precautions for safe handling: | Avoid breathing dust, fumes, gas, mist, vapors and sprays. Wash hands thoroughly after handling. Do not get in eyes, or on skin, or on clothing. |
| Conditions for safe storage, inc any incompatibilities: | Keep container tightly closed. Store away from incompatible materials. (See section 10). Store in corrosive resistant container. |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| Name | Std. | TWA-8hrs | STEL - 15 min. |
|--------------------------|-----------------|----------|----------------|
| Sodium Carbonate | Not established | - | - |
| Sodium Vegate | Not established | | |
| Tetrasodium Pyrophospate | ACGIH | 5 mg/m3 | - |

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

| | |
|--------------------------------|---|
| Ventilation: | Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit(s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA). |
| Respiratory Protection: | Not required if proper ventilation controls are employed. |
| Protective Gloves: | Acid resistant rubber. |
| Eye Protection: | Wear chemical safety goggles. |

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------------------------|
| Appearance: | White to off-white granular mixture |
| Odor: | Soap like odor |
| Odor Threshold: | N/A |
| PH: | N/A |
| Melting Point/Freezing Point: | N/A |
| Initial Boiling Point and Boiling Range: | N/A |
| Flash Point: | N/A |
| Evaporation Rate: | N/A |
| Flammability (solid, gas): | N/A |
| Upper/Lower flammability or explosive limits: | N/A |
| Vapor Pressure: | N/A |
| Vapor Density: | N/A |
| Relative Density: | N/A |
| Solubility (ies): | Complete in water |
| Partition Coefficient; n-octanol/water: | N/A |
| Auto-ignition Temperature: | N/A |
| Decomposition Temperature: | N/A |

Viscosity: N/A

10 STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available to this product or its ingredients.

Chemical Stability: Stable under normal conditions
Corrosive in presence of steel

Possibility of Hazardous Reactions: Reacts violently with strong bases. Contact with metals may release flammable hydrogen gas.

Conditions to Avoid: Extreme humidity, excess heat.

Incompatible Materials: Metals, strong oxidizing agents and strong bases. Do not mix with solutions containing bleach or ammonia.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide

Under fire- Oxides of phosphorous at > 300 °C (572 °F)

11 TOXICOLOGICAL INFORMATION

Oral Administration: Sodium Carbonate-LD50(Rat)-4090 mg/kg

Oral Administration: Tetrasodium Pyrophosphate-rat-LD50-1-3 g/kg

Dermal administration: Sodium Carbonate-LD50(Rabbit)->2000 mg/kg

Delayed effects: NA

Immediate effects: Irritation or burns to skin, eyes and respiratory system

Cancer Hazard: Not listed by IARC, NTP, OSHA, ACGIH

Routes of Exposure Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Lepomis macrochirus, no data available

Crustaceans, Daphnia magna, no data available

Daphnia Magna, no data available

Persistence and Degradability: Not Available

Bioaccumulation potential: Not known

Soil/Sediment Result: Phosphoric Acid itself will not absorb into soil, in most cases it will dissociate into PO₄³⁻ and H⁺ ions in the soil pore water, and/or react with minerals present in the soil, in particular calcium, iron and aluminum. Except in very specific circumstances (acidic soils, certain mineral soil types, very high dosage of phosphoric acid) phosphoric acid will therefore not penetrate beyond the surface layer of soil and will not reach groundwater table.

Other adverse effects(such as hazardous to the ozone layer): Not known

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number:

UN Proper Shipping Name: NOT DOT REGULATED

Transport Hazard Class (es):

Packing Group:

ERG:

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

**Sara Hazard
Classification**

The chemicals in this product are not subject to SARA Title III , Section 313 Reporting Requirements.

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.

Date Prepared: 12/15/14