



### SECTION 1: GENERAL INFORMATION

<b>Product Name</b> Aluminum Safe Metal Cleaner	<b>Product Formula</b> 228	<b>24 HOUR EMERGENCY :</b> Call Chemtrec at 800-424-9300
<b>Chemical Family</b> Alkaline	<b>Date Prepared</b> 10/1/2010	<b>Supersedes Date</b> 6/12/2009

### SECTION 2: PHYSICAL DATA

<b>pH (1% wt/wt)</b> 11.3 - 11.7	<b>Specific Gravity</b> NA	<b>Solubility in Water</b> Complete
<b>VOC Content</b> 13.62 g/Lb	<b>Appearance &amp; Odor</b> White powder with little odor.	

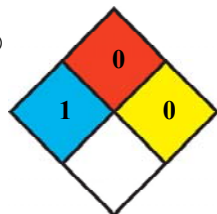
### SECTION 3: HAZARDOUS INGREDIENTS

Hazardous Compounds	WT %	TLV
Sodium Phosphate	2	1 mg/cm <sup>3</sup>
2-Butoxyethanol	3	25 ppm
Sodium Silicate	<50	2 mg/cm <sup>3</sup>

### SECTION 4: HAZARD IDENTIFICATION

**Hazardous Description** Not regulated by D.O.T.

NFPA®



HMIS®

<b>HEALTH</b>	<b>1</b>
<b>FIRE</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

**Primary Routes of Entry** Eyes, skin, and inhalation. May cause severe irritation with direct contact to eyes. May cause irritation with prolonged skin contact. May be harmful if swallowed in large quantities.

### SECTION 5: FIRST AID MEASURES

**First Aid Eyes** Rinse with fresh water for 15 minutes, lifting eyelids occasionally. Call a physician if irritation persists.

**First Aid Skin** Wash with plenty of fresh water. Wash contaminated clothing before reuse. If irritation persists, contact a physician.

**First Aid Ingestion** Do not induce vomiting. Call a physician immediately. If conscious, give large quantities of water to drink. Do NOT give anything by mouth to an unconscious person.

**First Aid Inhalation** If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Call a physician immediately.

### SECTION 6: FIRE & EXPLOSION HAZARD DATA

**Flash Point** NA (TCC)      **Extinguishing Media** Dry chemical; foam or carbon dioxide, water spray.

**Fire Explosion Hazards** No known unusual hazards in a fire/explosion situation.

**Special Fire Fighting Instructions** As in any fire, wear self-contained breathing apparatus pressure demand MSHA/NIOSH (approved or equivalent) and full protective gear.

**Hazardous Combustion Products** Carbon monoxide and carbon dioxide.

# MATERIAL SAFETY DATA SHEET

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### SECTION 7: ACCIDENTAL RELEASE MEASURES

**Spill Leak Procedure** Evacuate area. Ventilate area. Collect for disposal using an inert absorbent material and transfer to a container for reuse or disposal. For large spills, provide diking or other appropriate containment. Observe all personal protection equipment recommendations.

**Waste Disposal** Small spills may be flushed to a sanitary sewer with large amounts of water. Observe all Federal, State, and Local regulations that may apply to the clean-up of this material.

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### SECTION 8: EXPOSURE CONTROL & PERSONAL PROTECTION

**Engineering Controls:** Either local exhaust or general room ventilation is usually required. If handling results in mist/aerosol and/or high exposure, special ventilation may be required to avoid exceeding exposure standard and/or to prevent a dangerous working environment.

**Personal Protection Eyes** Chemical safety glasses.

**Personal Protection Skin** Chemical resistant nitrile gloves.

**Personal Protection Respiratory** None required under normal use.

**Other Protection** As needed to prevent contact.

**Additional Remarks:** Selection of appropriate safety equipment, including personal protective equipment and emergency eye wash fountains, should be based on an evaluation of the task and the conditions present. The precautions listed in this document are for room temperature handling. Use at an elevated temperature or aerosol spray applications may require added precautions.

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### SECTION 9: STABILITY AND REACTIVITY

**Stability** Stable.                      **Conditions to Avoid** No unusual conditions.                      **Polymerization** Will not occur.

**Incompatibility with other materials** Do not mix with other chemicals.

**Hazardous Decomposition** Carbon monoxide and carbon dioxide with thermal decomposition.

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### SECTION 10: REGULATORY INFORMATION

#### SARA TITLE III SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SARA Title III, Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR372.

CAS	CHEMICAL NAME	% wt
7632-00-0	Sodium Nitrite	2.0
General	Glycol Ethers	3.0

**CARCINOGENICITY:** Not listed by IARC, NTP, OR OSHA.

**TSCA (Toxic Substance Control Act):** All components of this product are listed on the TSCA inventory.

**CALIFORNIA PPROPOSITION 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins which would be subject to the proposition.

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#### Disclaimer of Responsibility:

This document is generated for the purpose of distributing health, safety and environmental data. It is not a specification sheet nor should any displayed data be construed as a specification. The information provided in this Material Safety Data Sheet has been compiled from experience and data presented in various technical publications. It is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets at any time as new technical information becomes available. The information contained herein is furnished without warranty of any kind.