

Red's Brake Service, Inc.
910 Montgomery St.
Syracuse, N.Y. 13208
(315) 476-2173

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

Chemical names and synonyms:
• Sodium metasilicate
Chemical family:
• aqueous alkaline cleaner
Proper DOT shipping name:
• alkaline cleaning compound, liquid N/DIBN
Manufacturer:
• Von Pless Chemical Corp.
Manufacturer's address:
• 301 W. Fayette St. Syracuse, N.Y. 13204

* Trade name and synonym:
• **Red's Express**
* Formula:
• proprietary
* DOT hazard classification:
• none
* Manufacturer's phone no:
• (315) 422-8940
* CHEMTREC emergency phone no.
• (800) 424-9300

II. INGREDIENTS

Principal hazardous components	* Percent	* TLV
• ** all ingredients listed**	*	*
• water	*	* N/A
• sodium metasilicate	* 10-20	* N/A
• synthetic detergents	*	* N/A
• tetrasodium ethylenediamine tetraacetate	*	* N/A

III. PHYSICAL DATA

Boiling pt. (°F): 214	* Specific gravity: 1.15
Vapor pressure (mm Hg): ND	* % volatile by volume: approx 95
Vapor density (Air): N/A	* Evaporation rate: as water
Solubility in water: miscible	* pH: (neat) 12.5-13.0
Appearance and odor: clear, slightly yellow liquid with trace organic odor	

IV. FIRE AND EXPLOSION HAZARD DATA

Flash point (test method): none below 200 * Auto ignition temperature: N/A
Flammable limits: * LEL: N/A * UEL: N/A
Extinguishing media: water, carbon dioxide, water fog, dry chemical
Special fire fighting procedures: protective clothing to avoid contact
Unusual fire and explosion hazards: contact of concentrated product with alkali metals may evolve hydrogen: an explosive hazard.

V. HEALTH HAZARD DATA

Threshold limit values: none established.
Carcinogen: no
Symptoms of exposure: contact: (eyes) causes burns, (skin) irritation, (ingestion) gastrointestinal irritation, nausea, vomiting, diarrhea.
Medical conditions aggravated by exposure: none known
Primary routes of entry: ingestion
First Aid: (skin) rinse thoroughly with water, (eyes) rinse with water 15 minutes. Get medical attention. (ingestion) DO NOT INDUCE VOMITING. (will cause further damage) Give water to dilute. Give milk of magnesia or other buffering agent. Keep person warm and quiet. Get medical attention immediately. Never give anything to an unconscious person.

VI. REACTIVITY DATA

Stability: X * Conditions to avoid: freezing
Materials to avoid: acids, oxidizers and alkali metals
Polymerization: will not occur
Hazardous decomposition products: (upon incineration) oxides of carbon and nitrogen

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill response: Dike and recover to salvage material. Flush area with water.
Waste disposal method: biodegradable. Concentrated product requires pH adjustment downward.
Observe all local and federal regulations

VIII. SPECIAL PROTECTION INFORMATION

eye protection: safety glasses with side shields minimum (face shield preferred) * skin protection: rubber or neoprene gloves
respiratory protection: N/A * ventilation: recommended for spray application as aerosol mists may be irritating to nose and throat.
Other protection: impervious clothing and footwear if contact is likely.

IX. OTHER CONSIDERATIONS

Handling and storage: keep container closed when not in use. Keep from freezing
Intended use: high pressure cleaning of commercial trucks for use by professionals only.

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