

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

Chemical names and synonyms:
. blended formulation
Chemical family:
. aqueous alkaline cleaner/degreaser
Proper DOT shipping name:
. alkaline cleaning compound, liquid NOIBN
Manufacturer:
. Von Pless Chemical Corp.
Manufacturer's address
. 501 W. Fayette St. Syracuse, N.Y. 13204

* Trade name and synonyms:
Blockbuster
* 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
. ethylene glycol monobutyl ether	* 10-20	* 25 ppm (skin) ACGIH
. synthetic detergents	*	*N/A
. natural soap	*	*N/A
. sodium metasilicate	*	*N/A
. tetrasodium ethylenediamine tetraacetate	*	*N/A

III. PHYSICAL DATA

Boiling pt. (F): 212
Vapor pressure (mm Hg): ND
Vapor density (Air=1): greater than 1
Solubility in water: miscible
Appearance and odor: clear, blue liquid with butyl (glycol ether) odor

* Specific gravity: 1.02-1.03
* % volatile by volume: approx 90
* Evaporation rate: as water
* pH: (neat) 12.5

IV. FIRE AND EXPLOSION HAZARD DATA

Flash point (test method): none below 200
Flammable limits
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.

* Auto ignition temperature: N/A
* LEL: N/A * UEL: N/A

V. HEALTH HAZARD DATA

Threshold limit values: none established. Estimate 250 ppm based upon butyl content *
Carcinogens: no
Symptoms of exposure: (eyes) severe irritation. Prolonged or repeated skin contact which may cause defatting of skin and subsequent dermatitis. Glycol ethers may be absorbed through the skin and cause liver and kidney damage.
Medical conditions aggravated by exposure: possible prior allergies
Primary routes of entry: skin absorption (glycol ethers)
First Aid: (skin) rinse thoroughly with water. (eyes) rinse with water 15 minutes. Get medical attention. (ingestion) give two glasses of water and induce vomiting by touching finger to back of throat. Get medical attention.

VI. REACTIVITY DATA

stable: 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 (faceshield preferred) * skin protection: rubber, neoprene or vinyl gloves
respiratory protection: N/A * ventilation: not necessary for room temp. use. At elevated temperatures use local ventilation due to glycol ether components.
Other protection: N/A