

M A T E R I A L S A F E T Y D A T A S H E E T

I. GENERAL INFORMATION

Chemical names and synonyms: . blended formulation family: . aqueous alkaline cleaner/degreaser Proper DOT shipping name: . alkaline cleaning compound, liquid NO19N Manufacturer: . Von Pless Chemical Corp. Manufacturer's address: . 501 W. Fayette St. Syracuse, N.Y. 13204	* Trade name and synonyms: Performance Plus Performance Plus * Formula: * proprietary * DOT hazard classification . none * Manufacturer's phone no: . (315) 422-8940 * CHEMTREC emergency phone no. . (800) 424-9300	Chemical
--	---	----------

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	* Specific gravity: 1.02-1.03
Vapor pressure (mm Hg): ND	* X volatile by volume: approx 90
Vapor density (Air=1): greater than 1	* Evaporation rate: as water
Solubility in water: miscible	* pH: (neat) 12.5
Appearance and odor: clear, yellow liquid with butyl (glycol ether) 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. 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