

MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

Chemical names and synonyms:

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

Trade name and synonyms:

* 1011
* Formula:
* proprietary
* DOT hazard classification
* none
* Manufacturer's phone no:
* (315) 423-8940
* CHEMTREC emergency phone no.
* (800) 424-9300

II. INGREDIENTS

principal hazardous components

. *** all ingredients listed***
. water
. synthetic detergents
. tetrasodium ethylenediamine tetraacetate
. sodium metasilicate

* Percent	* TLV
*	*
*	*N/A
*	*N/A
*	*N/A
*	*N/A

III. PHYSICAL DATA

Boiling pt. (F): 215
Vapor pressure (mm Hg): ND
Vapor density (Air=1): approx. 1
Solubility in water: miscible
Appearance and odor: clear, blue liquid with no apparent odor

* Specific gravity: 1.05
* % 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

* Auto ignition temperature: N/A
* 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 exposures: contact: (eyes) causes burns. (skin) irritation. (ingestion) gastrointestinal irritation, nausea, vomiting, diarrhea.
Medical conditions aggravated by exposures: 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

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 methods: 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 or neoprene gloves
respiratory protection: N/A
application as aerosol mist may be irritating to nose and throat.
Other protection: impervious clothing and footwear if contact is likely.
* ventilation: recommended for spray

IX. OTHER CONSIDERATIONS