

Material Safety Data Sheet **PERMA-CRETE®**

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SECTION I-PRODUCT IDENTIFICATION

PRODUCT NAME: BLUE NITRO CLEANER

SECTION II-HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	OSHA PEL	ACGIH TLV	% IN PROD.
SOCIUM TRIPOLYPHOSPHATE	7758-29-4	N/D	N/D	<3
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	25 PPM	25 PPM	<5
SODIUM METASILICATE PENTAHYDRATE	683492-0	2MG/M3	N/D	<3
SODIUM XYLENE SULFONATE	1300-72-7	N/D	N/D	<5

Identifies chemicals listed under SARA - Section 313 for release reporting.

SECTION III-PHYSICAL DATA

BOILING POINT:	212° F	APPEARANCE:	Thin, Dark Blue Liquid
VAPOR PRESSURE (mm Hg):	N/D	ODOR:	Slight "Butyl"
VAPOR DENSITY (Air = 1):	N/D	EVAPORATION RATE (Water=1):	1.0
SOLUBILITY IN WATER:	Complete	PH (Concentrate):	12.5 - 13.0
SPECIFIC GRAVITY:	1.07	PH (Use Dilution of 1% Solution):	11.0 - 11.5
PERCENT VOLATILE BY VOLUME (%):	85%		

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F) (Method Used):	N/D (TCC)
FLAMMABLE LIMITS - LEL:	N/A
FLAMMABLE LIMITS - UEL:	N/A
EXTINGUISHER MEDIA:	Non-Combustible
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self-contained positive pressure breathing apparatus.
UNUSUAL FIRE HAZARDS:	None

HMIS CODES: Health 2; Flam. 0; React. 0; Pers. Protect B; Chronic Hazard - Yes

SECTION V-HEALTH HAZARD DATA

EST'D PEL. /TLV: Not Established **PRIMARY ROUTES OF ENTRY:** Inhalation, Skin
ACUTE EFFECTS OF OVEREXPOSURE:

Product is considered non-toxic orally according to 16 CFR 1500.3 (Code of Federal Regulations 16, Federal Hazardous Substances Act Regulations, Part 1500.3). However, no product should be intentionally ingested. Ingestion of an excessive amount of the product may cause complications. Product in concentrated form is a severe eye irritant. Over-Exposure may lead to eye tissue damage which can be permanent. This product may cause slight skin irritation. Over-Exposure by inhalation may cause respiratory irritation. Existing eye or respiratory disorders may be aggravated by exposure.

CHRONIC EFFECTS OF OVEREXPOSURE:

Repeated eye exposure may produce chronic inflammation of the eye or corneal damage. Animal studies indicate a potential for liver, kidney, or red blood cell damage. Relevance of these studies or exposure levels which might produce these effects in humans has not been established. None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA.

FIRST AID:

SKIN CONTACT: Flush contaminated skin with plenty of water. Consult a physician if irritation develops.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention at once.

INHALATION: Move exposed person to fresh air. If irritation persists, get medical attention promptly.

INGESTION: If this product is swallowed, do not induce vomiting. If victim is conscious, give plenty of water to drink. Get medical attention at once.

SECTION VI-REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	Strong acids and oxidizing agents
POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION:	Carbon dioxide, carbon monoxide, and other unidentified organic compounds

SECTION VII-SPILL AND DISPOSAL PROCEDURES

SPILL RESPONSE: Observe safety precautions in Sections VIII & IX during clean-up. Absorb spill on an inert absorbent material. Pick up and place in a clean D.O.T. specification container for disposal. Wash area thoroughly with a detergent solution and then rinse well with water.

RECOMMENDED DISPOSAL: Liquids cannot be sent to landfills unless solidified. Unusable product and some collected, spent use-dilutions may require disposal as a hazardous waste at a permitted treatment/storage/disposal facility. In most states, hazardous wastes in total amount of 220 lbs. or less per month may be disposed of in a chemical or industrial waste landfill. If company effluent is ultimately treated by a publicly owned treatment works, neutralization of spent tank-solutions with subsequent discharge to the sewer may be possible. Consult local, state and federal agencies for proper disposal method in your area.

RCRA HAZARDOUS WASTE NOS.: DOO2 (see above)

SECTION VIII-SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: In the unlikely event that exposure levels exceed the PEL/TLV, use an organic vapor respirator.

VENTILATION: Provide local exhaust/ventilation as needed to keep concentration of vapors below exposure limits (PEL/TLV).

PROTECTIVE GLOVES: Wearing Neoprene or Nitrile gloves is recommended when prolonged excessive contact occurs (e.g. immersing hands)

EYE PROTECTION: Wear tight-fitting splash-proof safety glasses especially if contact lenses are worn.

SECTION IX-SPECIAL PRECAUTIONS

RECOMMENDED STORAGE: Store in tightly closed container in a dry area at temperatures between 40° - 120° F.

CONTAMINATED CLOTHING: Clothing or shoes which become contaminated with substance should be removed promptly and not re-worn until thoroughly cleaned.

KEEP PRODUCT OUT OF EYES.

DO NOT BREATHE SPRAY MISTS OR VAPORS.

KEEP OUT OF THE REACH OF CHILDREN.

Abbreviations: N/D - Not Determined

N/A - Not Applicable

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