

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Trade Name : Dober Clean A
Product Code : Not available.
Material Uses : Laundry Cleaner

Supplier/Manufacturer : Dober
11230 Katherine's Crossing
Woodridge, IL 60517

Emergency Phone : 800-255-3924 (Chem-Tel)
Information Phone : 630-410-7300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS No.	% by weight
Sodium Hydroxide	1310-73-2	50-70
Phosphorous Acid (HEDP)	2809-21-4	< 10

See Section 8 for Exposure Limits.
See Section 11 for Toxicological Data.

Section 2 Notes:

SECTION 3: HAZARDS IDENTIFICATION

Physical State and Appearance : Liquid.

Emergency Overview : DANGER! Corrosive to skin, eyes, and causes irritation to respiratory tract.

Routes of Entry : Skin, eye, ingestion and inhalation contact.

Potential Acute Health Effects

Eyes : Causes eye burns.

Skin : Causes skin burns.

Ingestion : Causes burns to mouth, throat, and digestive tract.

Inhalation : Causes respiratory tract irritation.

Potential Chronic Health Effects : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU, or ACGIH.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Medical Conditions Generally Aggravated by Exposure : Prolonged or repeated exposure may produce burns to eyes, skin, and/or digestive tract. Repeated or prolonged contact with spray/mist may produce severe irritation of respiratory tract.

SECTION 4: FIRST AID MEASURES

Eye Contact : In case of contact immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses if worn. Get medical attention immediately.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel.

DOBER
 RESEARCH WORKS

Inhalation

Notes to Physician

Never give anything by mouth to an unconscious person.
 : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.
 : Contact Poison Control.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the product : Non-flammable.
 Flash Points (Test Method) : Not applicable.
 Flammable Limits in Air (% by volume)
 Lower : Not applicable.
 Upper : Not applicable.
 Products of Combustion : Not applicable.
 Extinguishing Media : In case of fire, use water fog, dry chemical, CO₂, or foam. Water may be ineffective. Hot material may react violently with water.
 Special Firefighting Procedures : Wear SCBA and protective clothing.
 Unusual Fire and Explosion Hazards : Contact with some reactive metals may produce flammable hydrogen gas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Use appropriate personal protective equipment.
 Environmental Precautions : Do not flush to sewer or allow to enter waterways.
 Methods for Cleaning Up : Absorb spill onto sand, clay, etc. and shovel into steel container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling and Storage : Keep container closed. Do not contact eyes or skin. Do not take internally.
 Other Precautions : FOR INDUSTRIAL USE ONLY.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits
 Ingredient Name
 Sodium Hydroxide
 Phosphorous Acid (HEDP)

Exposure Limits
 2 mg/m³ ceiling value (TLV)
 Not available.

Engineering Controls

: Keep airborne concentrations below personal exposure limits. General exhaust is sufficient when material is used as intended.

Personal Protection

Eyes

: Chemical splash goggles.

Skin

: Protective apron or lab coat to prevent skin contact.

Respiratory

: Not required when material is used as intended.

Hands

: Chemical resistant, nitrile gloves.

Personal Protection in Case
 Of a Large Spill

: Use appropriate personal protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State and
 Appearance
 Color

: Liquid.

: Golden, transparent.

Odor : Not available.
Molecular Weight : Not available.
pH : > 12
Boiling Point : Not available.
Melting Point : Not available.
Vapor Pressure : Not available.
(mmHg)
Vapor Density (Air = 1) : Not available.
Density : 11.5 lbs/gal
Specific Gravity : Not available.
(H₂O = 1)
Evaporation Rate : Not available.
% Volatiles by volume : Not available.
Viscosity : Not available.
Solubility : Not available.

SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity : Stable.
Conditions of instability : None known.
Incompatibility with various : Strong oxidizers, strong acids.
Substances
Hazardous Decomposition : Oxides of carbon, oxides of nitrogen, oxides of sulfur.
Products
Hazardous Polymerization : Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data	Test	Result	Route	Species
<u>Ingredient Name</u>				
Not available.				
Potential Chronic Effects On Humans		: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU, or ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.		
Other Toxic Effects on Humans		: Not available.		

SECTION 12: ECOLOGICAL INFORMATION

Environmental Precautions : Not available.
Products of Degradation : Not available.
Toxicity of the products of
Degradation : Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method : Comply with all federal, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste. If approved, may be diluted and drained to a municipal sewer or waste treatment plant. Rinse empty container thoroughly with water before discarding.

SECTION 14: TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Additional Information
United States (DOT)	3266	Corrosive Liquid, Basic, Inorganic, N.O.S. (Contains: Sodium Hydroxide, Phosphorous Acid)	8	II	

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations : Available on request.

State Regulations : Available on request.

International Regulations : Available on request.

SECTION 16: OTHER INFORMATION

Label Requirements : Corrosive to skin, eyes, and causes irritation to respiratory tract.

Hazardous Material
Information System (U.S.A.) :

Health	3
Fire Hazard	0
Reactivity	1
Personal Protection	- D

Hazard Ratings

4 = Extreme

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

* See section 8 for more
detailed information on
personal protection

References : Available on request.

Disclaimer

All information, recommendations, and suggestions appearing herein concerning this compound are based upon data obtained from the raw material manufacturers and/or recognized technical sources; however, Dober Chemical Corp. makes no warranty, representation, or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Since actual use by others is beyond our control, Dober Chemical makes no warranty, express or implied, as to the effects of such use, the results to be obtained or the safety and toxicity of the product. The data in this MSDS relate only to the specific product designated herein and do not relate to use in combination with any other material or in any process.