

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Trade Name : Dober Clean D
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

<u>Ingredient:</u>	<u>CAS No.</u>	<u>% by weight</u>
Nonylphenol Ethoxylate	9016-45-9	60-100

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

Section 2 Notes: This product is considered hazardous according to OSHA, but is not regulated by DOT (reference: 49 CFR).

SECTION 3: HAZARDS IDENTIFICATION

Physical State and Appearance : Liquid.

Emergency Overview : WARNING! Causes eye irritation; may cause irritation to skin and respiratory tract.

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

Potential Acute Health Effects

- Eyes : Causes eye irritation.
- Skin : May cause skin irritation.
- Ingestion : May be harmful if swallowed.
- Inhalation : May cause respiratory tract irritation.

Potential Chronic Health Effects

- Carcinogenic effects: Not classified or listed by NTP, IARC, or OSHA.
- Mutagenic effects: Not available.
- Teratogenic effects: Not available.

Medical Conditions Generally Aggravated by Exposure : Prolonged exposure may result in irritation to eyes, skin and/or respiratory tract. Prolonged exposure may be harmful if swallowed.

SECTION 4: FIRST AID MEASURES

Eye Contact : In case of eye contact flush at once with plenty of water for at least 15 minutes. Remove contacts if easy to do so. Contact a physician at once.

Skin Contact : In case of contact immediately flush skin with plenty of water. Wash with soap and water. Remove contaminated clothing and shoes.

Ingestion : If large quantities of this material are swallowed, contact a physician at once. Do not induce vomiting. Give water. Never give anything by mouth to an unconscious person.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is

Notes to Physician : 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 : Use media suitable for surrounding fire. Water, dry chemical, or CO₂.
Special Firefighting Procedures : Wear SCBA and protective clothing.
Unusual Fire and Explosion Hazards : None known.

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.
Rinse affected area with water.

SECTION 7: HANDLING AND STORAGE

Handling and Storage : Keep container closed. Do not contact eyes or skin. Do not take internally. Keep from freezing. Do not store near heat or open flame. Do not pressure container to empty.
Other Precautions : FOR INDUSTRIAL USE ONLY.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Ingredient Name
Nonylphenol Ethoxylate

Exposure Limits
Not established

Engineering Controls

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

Personal Protection

Eyes
Skin

: Safety glasses with side shields or chemical splash goggles.
: Other protective clothing depending on degree of exposure. Lab coat recommended to prevent skin contact.

Respiratory
Hands

: Not required when material is used as intended.
: 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 : Liquid.
Color : Not available.
Odor : Not available.
Molecular Weight : Not available.
pH : 6.5

DOBER

RESEARCH WORKS

Boiling Point : Not available.
 Melting Point : Not available.
 Vapor Pressure : Not available.
 (mmHg)
 Vapor Density (Air = 1) : Not available.
 Density : 8.7 lbs/gal
 Specific Gravity : Not available.
 (H₂O = 1)
 Evaporation Rate : Not available.
 % Volatiles by volume : Not available.
 Viscosity : 420 cps
 Solubility : Not available.

SECTION 10: STABILITY AND REACTIVITY

Stability and reactivity : Stable.
 Conditions of instability : None known.
 Incompatibility with various : Strong oxidizers, reducing agents.
 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
Ingredient Name Not applicable.				
Potential Chronic Effects On Humans	Carcinogenic effects: Mutagenic effects: Teratogenic effects:	Not classified or listed by NTP, IARC, or OSHA. Not available. 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 : Not available.
 Degradation

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)		Not regulated			

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

: Causes eye irritation; may cause irritation to skin and respiratory tract.

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

Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	C

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.