



# MATERIAL SAFETY DATA SHEET

Dober Clean Sour

MSDS DATE: 5/30/07

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Trade Name : Dober Clean Sour  
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
Phosphoric Acid	7664-38-2	50-70

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 the mouth, throat and digestive tract.

Inhalation : Causes respiratory tract irritation.

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

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Medical Conditions Generally Aggravated by Exposure : Prolonged or repeated skin exposure can produce local skin destruction or dermatitis. Prolonged exposure can produce long damage. Repeated or prolonged exposure to spray or mist may produce severe irritation or burns to eyes and skin.

## 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

Ingestion	: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. 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 difficult give oxygen. Get medical attention.
Notes to Physician	: Contact Polson Control.

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## SECTION 5: FIRE-FIGHTING MEASURES

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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, smother with dry sand, or Class D fire extinguishing agents. Material may react violently with water to produce large amounts of heat.
Special Firefighting Procedures	: Wear SCBA and protective clothing.
Unusual Fire and Explosion Hazards	: Contact with some reactive metals may produce flammable hydrogen gas.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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Personal Precautions	: Use appropriate 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.

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## SECTION 7: HANDLING AND STORAGE

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

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure Limits

Ingredient Name  
Phosphoric Acid

Exposure Limits  
1 mg/m<sup>3</sup> (TWA)

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 : Use appropriate personal protective equipment.  
Of a Large Spill

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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Physical State and : Liquid.  
Appearance  
Color : Transparent, water white.  
Odor : Not available.  
Molecular Weight : Not available.  
pH : < 2.0  
Acidity : 47-50% H<sub>3</sub>PO<sub>4</sub>  
Boiling Point : Not available.  
Melting Point : Not available.  
Vapor Pressure : Not available.  
(mmHg)  
Vapor Density (Air = 1) : Not available.  
Density : 11.08 lbs/gal  
Specific Gravity : Not available.  
(H<sub>2</sub>O = 1)  
Evaporation Rate : Not available.  
% Volatiles by volume : Not available.  
Viscosity : Not available.  
Solubility : Not available.

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**SECTION 10: STABILITY AND REACTIVITY**

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

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Toxicity Data**

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

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**SECTION 12: ECOLOGICAL INFORMATION**

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Environmental Precautions : Not available.  
Products of Degradation : These products are phosphates.  
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)	1805	Phosphoric Acid Solution	8	III	

## 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	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.