

# MATERIAL SAFETY DATA SHEET (SIMILAR TO OSHA FORM 174)

N.A.=Not Applicable  
Not Est.=Not Established  
Prop.=Proprietary

## SECTION 1-MANUFACTURER/DISTRIBUTOR INFORMATION

Product Name: DYNABOL Bowl Cleaner  
Product No. 5235  
Supplier's Name: Dynasurf Corporation  
Supplier's Address: 917 Noble Street, Philadelphia, PA 19123  
Emergency Phone #: CHEM-TEL (800)-255-3924  
HMIS Hazard Code:  
Health:2 Flammability:0 Reactivity:1 Other:0  
Chemical Name: N.A. Proprietary Blend  
Chemical Family: Bowl Cleaner  
Formula: N.A. Blended Product  
D.O.T. Shipping Name: ORM-D  
Hazard Class: N/A  
D.O.T ID#:N/A

## SECTION 2-HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	% Concentrate Range	Hazard Ratings (TLV/PEL)
*Hydrochloric Acid	7647-01-1	PROP.	5 ppm
Tergitol Nonionic Surfactant NP10	26027-38-3	PROP.	NE
Lytron E305	CAS# N/A Mixture	PROP.	50 ppm

\* Contents are reportable under SARA Title III.

## SECTION 3-PHYSICAL DATA

Boiling Point (F): 80°F Specific Gravity: 1.130  
Vapor Pressure (mm Hg.): 25mm HG Melting Point: N/A  
Evaporation Rate: (Butyl Acetate = 1): N/A  
Vapor Density (air = 1): NE  
Solubility In Water: Complete  
Appearance: Milky green  
Odor: Pungent, sharp, irritating odor

## SECTION 4-FIRE AND EXPLOSION DATA

Flash Point (F): None. Flammable Limits: N/A  
Extinguishing Media: Since no fire or explosive hazard exist directly from HCL, fire fighting equipment suitable for other hazards present.  
Special Fire Fighting Procedures: Should the area of the fire contain HCL vapors, firemen should be protected by full cover plastic rubber protective clothes & self contained breathing apparatus.  
Unusual Fire & Explosion Hazards: Latent fire or explosion hazard when HCL contacts metal, due to generation of hydrogen.

## SECTION 5-HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes  
Emergency & First Aid Procedures: Ingestion: Call a physician immediately. Drink a teaspoonful or more of magnesia or chalk, wall plaster or small pieces of soap softened in milk or raw egg whites. Eyes: Wash with water for 15 minutes. Get prompt medical attention.  
Skin Contact: Wipe off the acid gently, immediately flood the surface with water, using soap freely then cover with moist magnesia or baking soda.  
Inhalation: If bothersome, remove from area.  
Health Hazards (acute or chronic): None known.  
Carcinogenicity: NTP? IARC Monographs? OSHA Regulated? N/A.  
Signs and Symptoms of Exposure: Large amounts of fumes may result in coughing, choking and inflammation of the respiratory tract; exposed individuals should leave area immediately.  
Medical Conditions Generally Aggravated by Exposure: None determined.

## SECTION 6-REACTIVITY DATA

Stability: Stable  
Conditions to Avoid: Do not mix with bleach type products.  
Incompatibility (materials to avoid): Keep away from oxidizing agents.  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: N/A

## SECTION 7-SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled: Flush down sewer with large amounts of water when spilled. A fog nozzle attached to water supply from a fire hose will absorb the gases or vapors in immediate area. Neutralize with soda ash.

Waste disposal method: Dispose of in accordance with Government Regulations.

## SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required.  
Ventilation: Local Exhaust Adequate Special.  
Mechanical (general) adequate.  
Protective Gloves: Recommended.  
Eye Protection: Goggles can be worn.  
Other Protective Equipment: Rubber or plastic suits and rubber safety shoes.

## SECTION 9-SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage:  
Avoid contact with skin or eyes. When storing make sure containers are not too full. Allow room for expansion.

Other Precautions: None known.

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DATE PREPARED-05/02/05 By: G.C.