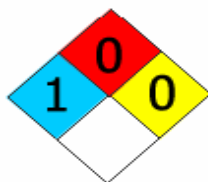




# MATERIAL SAFETY DATA SHEET DURABAN



Health Hazard	1
Fire Hazard	0
Reactivity	0



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : DURABAN  
 CHEMICAL DESCRIPTION : Organosilane  
 COMPANY IDENTIFICATION : DuraBan International Inc  
 230 Capital Drive, Suite 300  
 Buffalo, MN 55313  
 Ph: 763-682-4482

EMERGENCY TELEPHONE NUMBER : 866-601-6653

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Substance(s)	CAS NO.	% Weight	TWA	STEL
3-(Trihydroxysilyl)propyldimethyloctadecyl ammonim chloride	27668-52-6	5%	N/A	N/A
Deionized Water		95%	N/A	N/A

## 3. HAZARDS IDENTIFICATION

### \*\*EMERGENCY OVERVIEW\*\*

**Warning:** MAY CAUSE SUBSTANTIAL BUT TEMPORARY EYE INJURY. HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.

Do not get in eyes or on clothing. Avoid contact with skin or clothing, and avoid breathing vapor. Wear protective eyewear (goggles or face shield). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before use.

PRIMARY ROUTES OF ENTRY: Inhalation, skin contact, ingestion, and eye contact

SKIN: May cause slight irritation.

EYES: Direct contact will cause substantial but temporary eye injury.

INGESTION: Harmful if swallowed.

INHALATION: Harmful if inhaled for long periods.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Not known

CARINOGENS: OSHA: No ACGIH: No NTP: No IARC: No

**The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data, and/or expert review of the product.**

## 4. FIRST AID MEASURES

EYES: Hold eye open and flush with a steady, gentle stream of water for 15-20 minutes. If present remove contact lenses after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If not breathing, give artificial respiration. Seek medical attention.



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**5. FIRE FIGHTING MEASURES**

FLAMMALBE LIMITS IN AIR : N/A  
FLASH POINT: N/A  
EXTINGUISHING MEDIA: N/A  
SPECIAL FIRE FIGHTING PROCEDURES: N/A  
UNUSUAL FIRE AND EXPOLSION HAZARDS: N/A  
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

**6. ACCIDENTAL RELEASE MEASURES**

ACCIDENTAL RELEASE MEASURES :  
For small spills, hose away with water.  
For large spills, transfer to suitable container for disposal.

SECTION 6 NOTES: This material will be slippery if spilled.

**7. HANDLING AND STORAGE**

HANDLING : Wear appropriate personal protective equipment. (See Section 8)  
STORAGE: Store in original closed container in a secure area inaccessible to children and away from food or feed.  
OTHER PRECUATIONS: Do not freeze product

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EYE PROTECTION: To avoid eye contact, wear goggles.  
SKIN PROTECTION: Rubber/Latex gloves for sensitive skin.  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None  
SECTION 8 NOTES: None

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE	Clear, colorless liquid
APPEARANCE	Liquid
ODOR	Odorless
SPECIFIC GRAVITY	(@68°F/20°C): 1.0g/ml
SOLUBILITY IN WATER	Complete
pH	5 - 7
FREEZING POINT	32° F
BOILING POINT	212° F
MELTING POINT	Not available
VAPOR PRESSURE	Not available
VISCOSITY	<85.5mPa*s
VOLATILE CONTENT	(>0.1 mm Hg): <10%

**10. STABILITY AND REACTIVITY**

STABILITY: Stable  
HAZARDOUS POLYMERIZATION : Will not occur.  
CONDITIONS TO AVOID : None  
INCOMPATIBLE MATERIALS TO AVOID : Do not mix with anionic surfactants  
SECTION 10 NOTES: None



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**11. TOXICOLOGICAL INFORMATION**

ROUTES OF ENTRY: Inhalation, Skin Contact, Ingestion, Eye Contact

TOXICITY: Eye Irritation: minimally irritating to eyes (Rabbit)

**12. ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL EFFECTS : This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.

**13. DISPOSAL CONSIDERATIONS**

Do not contaminate water, food, or feed by storage and disposal.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Metal Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Glass Containers: Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved state and local procedures.

**14. TRANSPORT INFORMATION**

U.S. DEPARTMENT OF TRANSPORTATION: Not required

**15. REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS:

TSCA (Toxic Substances Control Act) Status: All components of this product are listed on the TSCA inventory of chemical substances.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

SARA 302 COMPONENTS – 40 CFR 355 APPENDIX A: None

311/312 HAZARD CATEGORIES:

Acute: No                      Chronic: No                      Fire: No                      Pressure: No                      Reactive: No

313 REPORTABLE INGREDIENTS: None

**16. OTHER INFORMATION**

PREPARATION INFORMATION: Prepared by DuraBan International Inc.

DISCLAIMER: This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

Date issued : 9/13/07

Replaces : 12/19/06