

**DURO DYNE CORPORATION**  
130 RT. 110  
FARMINGDALE, N.Y. 11735  
EMERGENCY PHONE NO. 800-424-9300  
INFORMATION PHONE NO. 800-899-3876

<b>H.M.I.S.</b>	
<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	A
These ratings should be used only as part of fully implemented H.M.I.S. program.	

# MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION 6/2000

## SECTION I

**TRADE NAME:** DURO DYNE DDS-181 WATER BASED DUCT SEALANT  
**MANUFACTURER CODE I.D.:** DDS-181

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	PERCENT %	OSHA PEL PPM	ACGIH TLV	OSHA, ACGIH STEL PPM	SARA	VP mmHg @20°C
CHLORINATED PARAFFIN	63449-39-8	5-10				x	Nil
RESIDUAL VINYL ACETATE	108-05-4	<0.5	10	10	20	x	92

## SECTION III - HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

No specific warnings for normal use conditions.

### POTENTIAL HEALTH EFFECTS

**EYES:** Eye contact with liquid product may cause irritation.

**SKIN:** Prolonged or repeated contact with liquid product may cause irritation.

**INHALATION:** Not an anticipated route of exposure.

**INGESTION:** Not an anticipated route of exposure. Harmful if swallowed.

**CHRONIC:** Overexposure to vinyl acetate is not expected to occur during normal handling and use of this product. Vinyl acetate has been shown to cause irritation and cancer in inhalation studies with laboratory animals. Test levels of 600 ppm caused an increase in tumors in the respiratory tract of the test animals. No tumors were observed in the animals exposed at 50 ppm or lower. There is no evidence that vinyl acetate has caused cancer in humans.

Chlorinated paraffin has been identified as an animal carcinogen in feeding studies with laboratory animals.

### REGULATED CARCINOGEN STATUS

Vinyl acetate is listed as a potential carcinogen by IARC.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

## SECTION IV - FIRST AID MEASURES

**EYES:** Flush immediately with water for 15 minutes. Consult a physician if irritation persists.

**SKIN:** Wash affected area with soap and water. Launder contaminated clothes before reuse.

**INHALATION:** Remove subject to fresh air.

**INGESTION:** If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

## SECTION V - FIRE FIGHTING MEASURES

**FLASHPOINT:** 200°F SETA, 93°C

**AUTOIGNITION TEMPERATURE:** N.A.

**U.E.L./L.E.L.:** N.E.

**EXTINGUISHERS:** Non-flammable in liquid state; use water spray, foam, dry chemical or carbon dioxide on dried product.

**SPECIAL FIREFIGHTING PROCEDURES:** Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

**HAZARDOUS COMBUSTION PRODUCT:** Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide, hydrogen chloride, phosgene.

## SECTION VI - ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Dike if necessary. Contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems.

## SECTION VII - HANDLING AND STORAGE

**HANDLING INFORMATION:** Wear appropriate protective equipment when working with this product.

**STORAGE INFORMATION:** Avoid temperature extremes in storage.

## SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION

**EYES:** Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing is likely. Have eye washes available where eye contact can occur.

**SKIN:** Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

**RESPIRATORY:** Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

**VENTILATION:** General dilution ventilation.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**COLOR:** Gray

**ODOR:** Slight Ammonia

**ODOR THRESHOLD:** N.E.

**WEIGHT PER GALLON:** 11.6 lbs.

**SPECIFIC GRAVITY:** 1.39

**% SOLIDS BY WEIGHT:** 677.5

**PH:** 8

**BOILING RANGE:** >200°F (93°F)

**FREEZING/MELTING POINT:** N.E.

**VAPOR PRESSURE:** N.E.

**EVAPORATION RATE:** N.E.

**WATER/OIL PARTITION COEFFICIENT:** N.E.

**VOC, less water:** 4.5 g VOC/liter of material, less water and exempt solvents. (VOC theoretically determined using EPA Publication 450/3-84-019.)

## SECTION X - STABILITY AND REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY:** N.E.

**HAZARDOUS DECOMPOSITION:** Hydrogen chloride, phosgene

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION XI - TOXICOLOGICAL INFORMATION

No data available.

## SECTION XII - ECOLOGICAL INFORMATION

No data available.

## SECTION XIII - DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult State, Local or Provincial Authorities for more restrictive requirements.

## SECTION XIV - TRANSPORTATION INFORMATION

### UNITED STATES DEPARTMENT OF TRANSPORTATION

DOT Proper Shipping Name: NOT REGULATED

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

### INTERNATIONAL TRANSPORTATION

IATA Proper Shipping Name: NOT REGULATED

## SECTION XV - REGULATORY INFORMATION

### FEDERAL

Toxic Substances Control Act (TSCA)

Section 4 - Test Rule

This product contains a chemical substance that is subject to a Section 4 chemical(s).

Section 12(b) - Inventory status

This Product is in compliance with the Toxic Substances Control Act's Inventory requirements.

Section (b) - Export Notice Requirements

This product contains a chemical substance that is currently on the EPA's Section 12(b) Export List. Within seven days of entering into contract to export and certainly no later than the day of export, the agent of export must notify the EPA of their intent.

Contact Duro Dyne Corporation at 631-249-9000 for the identity of the Section 12(b) chemical(s).

### SARA TITLE III

Section 313: This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372:

CHEMICAL NAME	CAS NUMBER	PERCENT%
Vinyl Acetate	108-05-4	<0.5%
Polychlorinated Alkanes (chlorinated paraffins)	N/A	5-10%

### STATE REGULATIONS

California Proposition 65: This product contains chemical(s) known to the state of California to cause cancer (c) or reproductive (r) damage.

<0.0008% Acetaldehyde (c) listed April 1, 1988	75-07-0
<0.0016% Formaldehyde (c) listed January 1, 1988	50-00-0
<0.1% Crystalline silica (c) listed October 1, 1988	14808-60-7
5-10% Chlorinated paraffins (c) listed July 1, 1989	108171-26-2
<0.0002% 1,4 dioxane (c) listed July 1, 1988	123-91-1
<0.0025% Ethyl acrylate (c) listed July 1, 1989	140-88-5
<0.0006% Lead (c) (r) listed February 27, 1987	7439-92-1

### WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS NOT REGULATED

## SECTION XVI - ADDITIONAL INFORMATION

In storage, monomer vapors will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

This product contains the following substance(s) identified by OSHA, WHMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

10-30% **Aluminum oxide** (1344-28-1) (non-fibrous)  
Exposure limit total dust 15 mg/M3 (OSHA) 10 mg/M3 (ACGIH)  
Exposure limit respirable dust 5 mg/M3 (OSHA)  
LD50: No data found LC50: No data found.

10-30% **Calcium carbonate** (1317-65-3)  
Exposure limit total dust 15 mg/M3 (OSHA) 10 mg/M3 (ACGIH)  
Exposure limit respirable dust 5 mg/M3 (OSHA)  
LD50: No data found LC50: No data found.

10-30% **Kaolin** (1332-58-7)  
Exposure limit total dust 10 mg/M3 (OSHA) 10 mg/M3 (ACGIH)  
Exposure limit respirable dust 5 mg/M3 (OSHA) 2 mg/M3 (ACGIH)  
LD50: No data found LC50: No data found.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Duro Dyne Corporation from its suppliers, Duro Dyne Corporation makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Duro Dyne Corporation assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Duro Dyne Corporation products to comply with all applicable federal, state and local laws and regulations.