

## DWN MATERIAL SAFETY DATA SHEET

CREATION DATE: JUNE 26, 2000  
REVISION DATE: SEPTEMBER 18, 2009

DURO DYNE CANADA INC.  
5030 Francois-Cusson  
Lachine, Quebec H8T 1B3  
Phone: (514) 422-9760  
Fax: (514) 636-0328, (888) DURODYNE  
**Emergency Telephone Number: (888) 853-1758**

### SECTION 01: DWN PRODUCT INFORMATION

TRADE NAME: DURO DYNE WATER BASE DUCT SEALER  
PRODUCT NUMBER: DURODYNE CNDA 5043 DWN-C  
PRODUCT CODE: DWN  
PRODUCT DESCRIPTION: SEALANT  
PRODUCT IDENTIFIER: 821632PM

**MANUFACTURER:**

H.B. FULLER CONSTRUCTION PRODUCTS INC.  
1105 S. Frontenac Street  
Aurora, IL 60504

**Medical Emergency Telephone Number: 1-888-853-1758 (24 Hours)**  
**Transport Emergency Telephone Number (CHEMTREC) : 1-800-424-9300**

### SECTION 02: DWN COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	PERCENT
Calcium carbonate	471-34-1	10-30
Kaolin clay	1332-58-7	10-30
Titanium dioxide	13463-67-7	1 – 5
Crystalline silica	14808-60-7	0.1 – 1
Cristobalite	14464-46-1	0.1 – 1

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

**SECTION 03: DWN HAZARDS IDENTIFICATION**

## EMERGENCY OVERVIEW

PHYSICAL STATE: Liquid

COLOR: Gray

ODOR: Sweet Mild

Cancer hazard.

HMIS RATING: HEALTH -- 0 FLAMMABILITY -- 0 REACTIVITY -- 0

See Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

## POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE: Can cause minor irritation, tearing and reddening.

SKIN: Can cause minor skin irritation, defatting and dermatitis.

INHALATION: Can cause minor respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Overexposure to crystalline silica may cause silicosis.

This product contains one or more materials that may be hazardous when present as an airborne dust.

During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

INGESTION: Ingestion is not an anticipated route of exposure. No hazard in normal industrial use.

## LONG-TERM (CHRONIC) HEALTH EFFECTS

TARGET ORGAN(S): Lungs

## REGULATED CARCINOGEN STATUS:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Titanium dioxide

Crystalline silica

Cristobalite

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease

**SECTION 04: DWN FIRST AID MEASURES**

EYES: Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

SKIN: Wash affected area with soap and water. Get medical attention if irritation develops or persists.

Launder contaminated clothing before reuse.

INHALATION: Remove subject to fresh air. Call a physician if symptoms persist.

INGESTION: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

**SECTION 05: DWN FIRE FIGHTING MEASURES**

FLASH POINT: Non flammable

AUTOIGNITION TEMPERATURE: Not established

LOWER EXPLOSIVE LIMIT (% in air): Not established

UPPER EXPLOSIVE LIMIT: (% in air): Not established

EXTINGUISHING MEDIA: use water spray, foam, dry chemical or carbon dioxide.

## SECTION 05: DWN FIRE FIGHTING MEASURES Continued

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

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

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide

## SECTION 06: DWN ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: No adverse health effects expected from the cleanup of spilled material. Follow personal protective equipment recommendations found in Section 8 of this MSDS.

CLEANUP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

## SECTION 07: DWN HANDLING AND STORAGE

HANDLING: No special handling instructions due to toxicity.

STORAGE: Store in a cool, dry place. Do not store above 125 °F (52 °C.) or below freezing or damage may occur to product.

Consult the Technical Data Sheet for specific storage instructions.

## SECTION 08: DWN EXPOSURE CONTROLS / PERSONAL PROTECTION

EYES: Wear safety glasses to reduce the potential for eye contact. Chemical safety goggles are appropriate if splashing or dusting is likely. Have eye washes where eye contact can occur.

SKIN: Prevent prolonged or repeated contact by wearing chemically resistant gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

GLOVES: Not normally required. Use Nitrile gloves if conditions warrant.

INHALATION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

### EXPOSURE LIMITS

CHEMICAL NAME	ACGIH EXPOSURE LIMITS	OSHA PEL
Calcium carbonate	Not established	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
Kaolin clay	2 mg/m <sup>3</sup> TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
Titanium dioxide	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total dust)
Crystalline silica	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	((250)/(%SiO <sub>2</sub> +5) mppcf TWA (respirable)); ((10)/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA (respirable)); ((30)/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA (total dust));
Cristobalite	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	Not established

## **SECTION 09: DWN PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid  
 APPEARANCE / COLOUR: Grey  
 ODOR: Sweet Mild  
 ODOR THRESHOLD: Not established  
 WEIGHT PER GALLON (lbs): 11.7  
 SPECIFIC GRAVITY: 1.4  
 SOLIDS (% by weight): 69.0  
 pH: Not established  
 BOILING POINT (deg. C): Not established  
 FREEZING/MELTING POINT (deg. C): Not established  
 VAPOR PRESSURE (mm Hg): Not established  
 VAPOR DENSITY: Not established  
 EVAPORATION RATE: Not established  
 OCTANOL/WATER COEFFICIENT: Not established  
 VOC, weight percent: Not determined

## **SECTION 10: DWN STABILITY AND REACTIVITY**

STABILITY: Stable under normal conditions.  
 CHEMICAL INCOMPATIBILITY: Not established  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

## **SECTION 11: DWN TOXICOLOGICAL INFORMATION**

<b>COMPONENT</b>	<b>LD50/LC50</b>
Calcium carbonate	Oral LD50 Rat = 6450 mg/kg
Kaolin clay	Not established
Titanium dioxide	Not established
Crystalline silica	Not established
Cristobalite	Not established

TOXICOLOGY SUMMARY: No additional health information available.

## **SECTION 12: DWN ECOLOGICAL INFORMATION**

OVERVIEW: No ecological information available.

## **SECTION 13: DWN 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.

<b>SECTION 14: DWN TRANSPORTATION INFORMATION</b>
---

Consult bill of lading for transportation information.

DOT: NOT REGULATED

IATA: NOT REGULATED

<b>SECTION 15: DWN REGULATORY INFORMATION</b>
---

#### INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

CANADIAN CEPA DSL: The components of this product are included on the DSL or are exempt from DSL requirements.

EUROPEAN EINECS: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless REACH requirements are met.

If you need more information about the inventory status of this product call 651-236-5858

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at 651-236-5858 (USA) or 450-655-1306 x227 (Canada) to request export review.

#### FEDERAL REPORTING

EPA SARA Title III Section 313

Unless listed below, this product does not contain 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. EPA has advised that when a percentage range is listed the midpoint may be used to fulfil reporting obligations.

CHEMICAL NAME	CAS#	%
---------------	------	---

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

D2A

#### STATE REPORTING

This MSDS is not prepared for distribution in California.

## **SECTION 16: DWN ADDITIONAL INFORMATION**

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH – 0 FLAMMABILITY – 0 REACTIVITY – 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department  
Phone: 651-236-5842

### **DWN ADDITIONAL INFORMATION**

**\*\* The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No Guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes. \*\***

**DWN TECHNICAL CONTACT**  
FOR INFORMATION CONTACT:  
M.S.D.S. Co-Ordinator  
**Duro Dyne Canada Inc**  
(514) 422-9760