

WB-S2 MATERIAL SAFETY DATA SHEET

CREATION DATE: April 14, 2010

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

Medical Emergency Telephone Number (24 Hours): 1- (888) 853-1758

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

SECTION 01: WB-S2 PRODUCT INFORMATION

PRODUCT NUMBER: DURO DYNE WB-S2
PRODUCT DESCRIPTION: Sealant
PRODUCT IDENTIFIER: 828023PM

SECTION 02: WB-S2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL STATE: Liquid

COLOR: Red

ODOR: Mild Sweet

Cancer hazard

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 iron oxide dust/fume may cause siderosis. 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

REPRODUCTIVE: Contains a substance(s) that is a possible reproductive system hazard based on high dose tests with laboratory animals.

TARGET ORGAN(S): Lungs, Central nervous system, Kidneys, Liver

REGULATED CARCINOGEN STATUS:

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

Crystalline silica

Titanium dioxide

Cristobalite

Carbon black

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease; Kidney disease; Liver disease.

SECTION 03: WB-S2 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	PERCENT
Calcium carbonate	471-34-1	10-30
Kaolin clay	1332-58-7	10-30
Ethylene glycol	107-21-1	1 – 5
Iron oxide	1332-37-2	1 – 5
Crystalline silica	14808-60-7	0.1 – 1
Titanium dioxide	13463-67-7	0.1 – 1
Cristobalite	14464-46-1	0.1 – 1
Carbon black	1333-86-4	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 exposure limit guidelines.

SECTION 04: WB-S2 FIRST AID MEASURES

IF IN 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.

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

IF VAPORS INHALED: Remove to fresh air. Call a physician if symptoms persist.

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

SECTION 05: WB-S2 FIRE FIGHTING MEASURES

FLASH POINT: Non flammable

AUTOIGNITION TEMPERATURE: N.E.

LOWER EXPLOSIVE LIMIT (% in air): N.E.

UPPER EXPLOSIVE LIMIT (% in air): N.E.

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

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: WB-S2 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: WB-S2 HANDLING AND STORAGE

HANDLING: No special handling instructions due to toxicity.

STORAGE: Store in a cool, dry place.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 08: WB-S2 EXPOSURE CONTROLS / PERSONAL PROTECTION
--

EYE PROTECTION: Wear safety glasses when handling this product.

SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves.

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

RESPIRATORY PROTECTION: 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 ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Kaolin clay	2 mg/m ³ TWA respirable fraction particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Ethylene glycol	Not established 100 mg/m ³ Ceiling aerosol only	Note established
Iron Oxide	Not established	10 mg/m ³ TWA (as fume)
Crystalline silica	0.025 mg/m ³ TWA (respirable fraction)	((250/(%SiO ₂ +5)) mppcf TWA (respirable)); ((10)/(%SiO ₂ +2)) mg/m ³ TWA (respirable); ((30)/(%SiO ₂ +2)) mg/m ³ TWA (total dust);
Titanium dioxide	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust)
Cristobalite	0.025 mg/m ³ TWA respirable fraction	Not established
Carbon black	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA

SECTION 09: WB-S2 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
 COLOUR: Red
 ODOR: Mild sweet
 ODOR THRESHOLD: Not established
 WEIGHT PER GALLON (lbs): 11.7
 SPECIFIC GRAVITY: 1.4
 SOLIDS (% by weight): 69.0
 pH: Not established
 FLASH POINT: Non flammable
 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
 VOC, EPA Method 24, less water and exempt solvents: 48g/liter of material
 (theoretically determined)

SECTION 10: WB-S2 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: WB-S2 TOXICOLOGICAL INFORMATION
--

COMPONENT	LD50/LC50
Calcium carbonate	Oral LD50 Rat = 6450 mg/kg
Kaolin clay	Not established
Ethylene glycol	Oral LD50 Rat = 4700 mg/kg Dermal LD50 Rabbit = 9.53 ml/kg
Iron Oxide	Not established
Crystalline silica	Not established
Titanium dioxide	Not established
Cristobalite	Not established
Carbon black	Oral LD50 Rat > 15400 mg/kg Dermal LD50 Rabbit > 3 g/kg

TOXICOLOGY SUMMARY: No additional health information available.

SECTION 12: WB-S2 ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available.

SECTION 13: WB-S2 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 14: WB-S2 TRANSPORTATION INFORMATION

Consult bill of lading for transportation information.

SECTION 15: WB-S2 REGULATORY INFORMATION

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 the 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 an 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#	%
Ethylene glycol	107-21-1	1 – 5

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: WB-S2 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 08: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

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

WB-S2 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. ****

WB-S2 TECHNICAL CONTACT
FOR INFORMATION CONTACT:
M.S.D.S. Co-Ordinator
Duro Dyne Canada Inc
(514) 422-9760