

WB-S2 MATERIAL SAFETY DATA SHEET

CREATION DATE: April 14, 2010
REVISION DATE: October 29, 2015

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SECTION 01: WB-S2 PRODUCT INFORMATION

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

SECTION 02: WB-S2 HAZARDS IDENTIFICATION

GSH CLASSIFICATION: This product is not classified as hazardous under GHS criteria.

GSH PRECAUTIONS:

SAFETY PRECAUTIONS: Non-hazardous – no special precautionary measures required. Please read the entire Safety Data Sheet for other information regarding handling of this product.

FIRST AID MEASURES:

IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop.

IF IN EYES: Use an eyewash to remove chemical from eye.

IF ON SKIN: Wash with soap and water.

IF INHALED: Remove individual to fresh air after an airborne exposure if any symptoms develop.

SECTION 03: WB-S2 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	PERCENT	CLASSIFICATION	NOTE
Calcium carbonate	471-34-1	10-30		* (see below)
Kaolin clay	1332-58-7	10-30		* (see below)
Ethylene glycol	107-21-1	1 – 5	Acute Tox. 4; H302	
Iron oxide	1332-37-2	1 – 5		
Crystalline silica	14808-60-7	0.1 - 1	Carc. 1A; H350 STOT RE 1; H372	* (see below)
Titanium dioxide	13463-67-7	0.1 – 1	Carc. 2; H351	* (see below)
Cristobalite	14464-46-1	0.1 – 1	Acute Tox. 4; H332 Carc. 2; H351 STOT RE 1; H372	* (see below)
Carbon black	1333-86-4	0.1 – 1	Carc. 2; H351	* (see below)

SECTION 03: WB-S2 COMPOSITION / INFORMATION ON INGREDIENTS

*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.

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 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

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.

METHODS FOR 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. **Protect from freezing.**

Consult the Technical Data Sheet for specific storage instructions.

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

CHEMICAL NAME	NOTE	ACGIH EXPOSURE LIMITS	OSHA PEL
Calcium carbonate	*(see below)	No data available	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Kaolin clay	*(see below)	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Ethylene glycol		TWA Not established 100 mg/m ³ Ceiling (aerosol only)	Not established
Iron Oxide		No data available	10 mg/m ³ TWA (as fume)
Talc	*(see below)	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	Not established
Crystalline silica	*(see below)	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	*(see below)	10 mg/m ³ TWA	15 mg/m ³ TWA (total dust)
Cristobalite	*(see below)	0.025 mg/m ³ TWA (respirable fraction)	Not established
Carbon black	*(see below)	3 mg/m ³ TWA (inhalable fraction)	3.5 mg/m ³ TWA

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ENGINEERING CONTROL METHODS:

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

EYE PROTECTION: Wear safety glasses when handling this product.

SKIN PROTECTION: Not normally required. 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).

SECTION 09: WB-S2 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
 COLOUR: Red
 ODOR: Mild sweet
 ODOR THRESHOLD: Not established
 pH: Not established
 FREEZING/MELTING POINT (deg. C): Not established
 BOILING POINT (deg. C): Not established
 FLASH POINT: Non flammable
 EVAPORATION RATE: Not established
 FLAMMABILITY: Not a flammable solid or gas
 UPPER EXPLOSION LIMIT (% in air): Not established
 LOWER EXPLOSION LIMIT (% in air): Not established
 VAPOR PRESSURE (mm Hg): Not established
 VAPOR DENSITY: Not established
 WEIGHT PER GALLON (lbs): 11.7
 SPECIFIC GRAVITY: 1.4
 SOLUBILITY: Not established
 OCTANOL/WATER COEFFICIENT: Not established
 AUTOIGNITION TEMPERATURE: Not established
 DECOMPOSITION TEMPERATURE: Not established
 VISCOSITY: No data available
 SOLIDS (% by weight): 69.0
 VOC, weight percent: 2.10
 VOC, U.S. EPA Method 24, less water and exempt: 48g/liter of material
 solvents (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
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Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
Calcium carbonate	ORAL LD50 RAT 6,450 MG/KG
Diethyleneglycol dibenzoate	ORAL LD50 RAT 2,830 MG/KG
Ethylene glycol	ORAL LD50 RAT 4,000 MG/KG

This product is a mixture. Unless noted, the information below is based on components.

Skin corrosion / irritation: Can cause minor skin irritation, defatting and dermatitis.
 Serious eye damage / irritation: Can cause minor irritation, tearing and reddening.
 Respiratory / skin sensitization: No data available.
 Germ cell mutagenicity: No data available.
 Carcinogenicity: Contains a material that may cause cancer.

SECTION 11: WB-S2 TOXICOLOGICAL INFORMATION

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

Specific target organ toxicity-single exposure: No data available.

Respiratory irritation / Narcotic effects: No data available.

Specific target organ toxicity-repeated exposure: No data available.

Target organs potentially affected by exposure: Lungs, Central nervous system, Kidneys, Liver.

Aspiration hazard: Not an aspiration hazard.

Medical Conditions Aggravated by Exposure: Lung disease, Liver disease, Kidney disease.

SECTION 12: WB-S2 ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available for this product.

MOBILITY: No data available.

PERSISTENCE: No data available.

BIOACCUMULATION: No data available.

This product has not been tested for ecological effects. Relevant information for components is listed below:

Component:	Eco toxicity values:
Ethylene glycol	<p>Acute Toxicity (Fish): 96 Hr LC50 Oncorhynchus mykiss: 41000 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 14-18mL/L [static]; 96Hr LC50 Lepomis macrochirus: 27540 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 40761 mg/L [static]; 96 Hr LC50 Pimephales promelas: 40000 – 60000 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 16000 mg/L [static]</p> <p>Acute Toxicity (Daphnia): 48 Hr EC50 Daphnia magna: 46300 mg/L</p> <p>Acute Toxicity (algae): 96 Hr EC50 Pseudokirchneriella subcapitata: 6500 – 13000 mg/L</p>
Talc	<p>Acute Toxicity (Fish): 96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]</p> <p>Acute Toxicity (Daphnia): Not established.</p> <p>Acute Toxicity (algae): Not established.</p>

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.

US DOT: NOT REGULATED

IATA: NOT REGULATED

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 REACH: 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.

AUSTRALIA AICS: This product contains a component that is not on the Australian Inventory (AICS).

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.

This product contains a chemical substance that is subject to a Significant New Use Rule (SNUR) under Section 5(a)(2) of TSCA: .alpha. (nonylphenyl)-.omega.-hydroxy-poly(oxy-1,2-ethanediyl)
.alpha.-(4-Nonylphenyl)-.omega.-hydroxy-poly(oxy-1,2 ethanediyl)
79 FR 59186, Oct 1, 2014 (Proposed rule)

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 fulfill reporting obligations.

CHEMICAL NAME	CAS#	%
Ethylene glycol	107-21-1	1 – 5

STATE REPORTING

Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

SECTION 15: WB-S2 REGULATORY INFORMATION

CHEMICAL NAME/LIST	CAS	Percent
Quartz (carcinogen)	14808-60-7	0.1 - 1
Titanium dioxide (carcinogen)	13463-67-7	0.1 – 1
Carbon Black (carcinogen)	1333-86-4	0.1 – 1
2,2'-Iminodiethanol (carcinogen)	111-42-2	0.01 – 0.1
Acetaldehyde (carcinogen)	75-07-0	0.001 – 0.01
Formaldehyde (carcinogen)	50-00-0	0.001 – 0.01
1,4-Dioxane (carcinogen)	123-91-1	< 10 ppm
Ethyl acrylate (carcinogen)	140-88-5	< 10 ppm
Methanol (Developmental toxin)	67-56-1	< 10 ppm

Substances of Very High Concern (SVHC) Content:

Unless listed below, this product does not contain SVHC's.

tert-Octylphenol, ethoxylated

4-Nonylphenol, ethoxylated

SECTION 16: WB-S2 ADDITIONAL INFORMATION

SDS VERSION DATE: October 29, 2015

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. Duro Dyne Canada address change Oct 5, 2015