

MATERIAL SAFETY DATA SHEET

THIS PRODUCT IS NOT CONTROLLED BY WHMIS

BLUE SHIELD™

SECTION I - PRODUCT IDENTIFICATION

Product Identifier: Blue Shield™
Chemical Name: Water based co-polymer
Product use: Moisture Barrier

| Supplier name and address: | Hazard Rating | HMIS Rating Information |
|----------------------------|---------------|-------------------------|
| | 4 - EXTREME | HEALTH - 1 |
| Durabond Products Limited | 3 - HIGH | FLAMMABILITY - 0 |
| 59 Underwriters Road | 2 - MODERATE | REACTIVITY - 0 |
| Scarborough, Ontario | 1 - SLIGHT | SPECIAL - 0 |
| M1R 3B4 | 0 - MINIMUM | |

Emergency Telephone #: (613) 996-6666 (CANUTEC)

SECTION II - HAZARDOUS INGREDIENTS

| <u>Ingredients</u> | <u>CAS #</u> | <u>% (weight)</u> | <u>LC₅₀, ppm (inhalation, rat)</u> | <u>LD₅₀, mg/kg (Oral, rat)</u> |
|----------------------------------|--------------|-------------------|---|---|
| SBR Polymer (no-formaldehyde) | Proprietary | 25-35 | N/A | N/A |
| Ammonium Hydroxide | 001336216 | 0.2-0.5 | 3669ppm | 350mg/kg |

SECTION III - PHYSICAL DATA

Physical state, odour and appearance: Light Blue viscous liquid, mild-medium ammonia odour

Odour threshold: N/Av

Specific gravity (at 25°C): 0.98

Coefficient of water/oil distribution: N/Av

Vapour pressure (mm Hg @ 20°C): 17

Boiling point: 100°C

Freezing point: -1°C

pH: 6.0

Vapour density (Air=1.0): <1=Water

Evaporation rate (ether=1.0): <1=Water

Volatiles, %: 4080%

Solubility in water (w/w): N/Ap

SECTION IV - FIRE AND EXPLOSION DATA

Conditions of flammability: Product is not flammable. Dry product film is capable of burning.

Means of extinction: Dry Chemical, CO² foam, or water.

Sensitivity to mechanical impact/static discharge: Not susceptible to static discharge or static discharge.

Flash point (Method): N/Ap

Lower/upper flammable limits (% by volume): N/Ap

Auto-ignition temperature: N/Ap

Hazardous combustion products: N/Ap

Special Procedures: Use self contained breathing apparatus

SECTION V - REACTIVITY DATA

Chemical Stability: Stable.

Incompatible materials: Metallic salts will cause product coagulation

Conditions of reactivity: None known

Hazardous decomposition products: Ignition of Dry Film produces Carbon Monoxide and Carbon Dioxide.

SECTION VI - TOXICOLOGICAL PROPERTIES

Routes of exposure and acute/chronic effects

Routes of Entry: Ingestion, Inhalation, Eye and Skin contact

Effects of Acute Exposure: Ingestion may cause nausea and vomiting. Inhalation of sprayed product may cause nausea and/or headache. Eye contact will cause irritation. Skin contact unlikely to cause irritation

Effects of Chronic Exposure: Prolonged or repeated skin contact may cause irritation.

Carcinogenicity: Not listed as a carcinogen by IARC or ACGIH.

Teratogenicity, Mutagenicity, other reproductive effects: None known

Sensitization to material: Does not occur

Synergistic materials: None known.

SECTION VII - FIRST AID

Inhalation: Remove victim to fresh air.

Skin: Wash skin with mild soap and water. Rinse thoroughly. See a doctor if irritation persists.

Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention immediately.

Ingestion: If victim is alert and not convulsing, administer 1-2 glasses of water to dilute material. Do not induce vomiting. Should vomiting occur, administer more water. Obtain medical attention immediately.

SECTION VIII - PREVENTIVE MEASURES

Spill, leak or release: Scrape or shovel product into recovery container. Ensure spill area is well ventilated.

Waste disposal: Consult federal, provincial and local regulations for specific disposal information.

Storage, Handling and Shipping: Protect product from freezing, direct sunlight and excessive heat. Microbial Degradation and pH change may occur after prolonged storage.

*****PROTECTIVE EQUIPMENT*****

Respiratory protection: None needed for normal use.

Protective gloves: Use rubber gloves against repeated or prolonged skin contact

Eye protection: Safety Chemical goggles to prevent eye contact

Other protective equipment: Cover feet and skin as to prevent contact with skin.

SECTION IX - PREPARATION INFORMATION

Prepared by: Durabond Products Limited

Preparation date: April 2012

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Additional notes or references:

Abbreviations:

| | |
|--------|---|
| ACGIH: | American Conference of Governmental Industrial Hygienists |
| HMIS: | Hazardous Material Identification System |
| IARC: | International Agency for Research on Cancer |
| N/Ap: | Not applicable |
| N/Av: | Not available |
| WHMIS: | Workplace Hazardous Materials Information System |
| NIOSH: | National Institute for Occupational Safety and Health |
| TLV: | Threshold Limit Value |
| TWA: | Time Weighted Average |

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