

MATERIAL SAFETY DATA SHEET**SECTION 1 - PRODUCT IDENTIFICATION**

PRODUCT IDENTIFIER: **DryWay Water-Repellent Concrete Sealer**
SUPPLIER: Novion Inc.
ADDRESS: 18 L'Hermitage Drive, Shelton, CT 06484
EMERGENCY TELEPHONE NUMBER: (203) 225-0366

FORMULA: Water-based emulsion of siloxanes and silanes. Proprietary mixture
PRODUCT USE: Used to make porous construction materials such as concrete, bricks, stone, and mortar water-repellent and waterproof.

SECTION 2 – INGREDIENTS/COMPOSITION

| <u>COMPONENT</u> | <u>CAS</u> | <u>Wt%</u> |
|---|------------|-------------|
| Dimethyl, phenyl siloxane, methoxy-terminated | 68957-04-0 | 10.0 – 15.0 |
| N-Octyltriethoxysilane | 2943-75-1 | 1.0 – 3.0 |

SECTION 3 – HAZARDS IDENTIFICATION**POTENTIAL HEALTH EFFECTS**

INGESTION: ACUTE - May cause drowsiness, dizziness, confusion or loss of coordination.

CHRONIC - Product generates methyl alcohol which may cause blindness and possibly death if swallowed. Overexposure by ingestion may injure the following organ(s): Nervous system, Brain.

SKIN CONTACT: ACUTE - May cause minor irritation. CHRONIC – May irritate seriously. May injure internally if absorbed.

INHALATION: ACUTE - May irritate respiratory passages slightly. Vapor overexposure may cause drowsiness.

CHRONIC - Product may generate methyl alcohol, which may cause blindness and damage to nervous system.

EYE CONTACT: Direct contact may cause moderate irritation.

MEDICAL CONDITIONS AGGRAVATED AS STATED ABOVE:

No known applicable information.

CHRONIC EFFECTS / CARCINOGENICITY:

Ingredients present at 0.1% or more listed as a carcinogen or suspected carcinogen by OSHA, IARC, NTP, ACGIH: NONE

SECTION 4 – FIRST AID MEASURES**INGESTION:**

Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

SKIN CONTACT:

Remove contaminated clothing and flush area with copious amounts of water for at least 15 minutes. Seek medical attention if symptoms arise.

MATERIAL SAFETY DATA SHEET**INHALATION:**

Remove from the source of contamination and move to fresh air. If irritation persists, obtain medical advice

EYE CONTACT:

Flush eyes thoroughly with large amounts of water for at least 15 minutes. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: (AQUEOUS SOLUTION) >100°C >212°F
METHOD: TCC
AUTOIGNITION TEMP: ND
SENSITIVITY TO MECHANICAL IMPACT: NONE

EXTINGUISHING MEDIA:

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire-exposed containers.

SPECIAL FIREFIGHTING PROCEDURES: NONE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Determine whether to evacuate or isolate the area. Observe all personal protection equipment recommendations. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in an appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable.

SECTION 7 – HANDLING AND STORAGE

Use with adequate ventilation. Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control exposure or use respiratory protection. Traces of benzene may form if heated in air above 300 F (149 C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA benzene regulation for detailed information on safe handling requirements. Product evolves flammable ethyl alcohol on exposure to water or humid air. Provide ventilation during use to control ethanol within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not breathe vapor. Keep container closed. Do not take internally.

SECTION 8 – PERSONAL PROTECTION/ EXPOSURE LIMITS**Component Exposure Limits**

| <u>CAS Number</u> | <u>Component Name</u> | <u>Exposure Limits</u> |
|-------------------|---|------------------------------|
| 68957-04-0 | Dimethyl, phenyl siloxanemethoxy-terminated | See methyl alcohol comments. |
| 2943-75-1 | N-Octyltriethoxysilane | See ethyl alcohol comments. |

Methyl alcohol forms on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm. Ethyl alcohol is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL (final rule): TWA 1000 ppm and ACGIH TLV: STEL 1000 ppm.

MATERIAL SAFETY DATA SHEET**Engineering Controls**

Local Ventilation: Recommended.
General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Respirator: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Comments: Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control exposure within Section 8 guidelines or use air-supplied or self-contained breathing apparatus. Traces of benzene (carcinogen) may form if heated in air above 300 °F (149 °C). Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA benzene regulation for detailed information on safe handling requirements. Product evolves flammable ethyl alcohol on exposure to water or humid air. Provide ventilation during use to control ethanol within exposure guidelines or use respiratory protection.

Note: These precautions are for routine use at room temperature.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Color: Milk white
Odor: Slight odor
Specific Gravity @ 25°C: 1.01
Viscosity: 15 -30 mPa.s
Freezing/Melting Point: 32 °F
Boiling Point: 100 °C
Vapor Pressure @ 25°C: Not determined.
Vapor Density: Not determined.
Solubility in Water: 100%
pH: 4-5
Flash Point: > 212 °F / > 100 °C (Closed Cup)
Autoignition Temperature: Not determined.
Flammability Limits in Air: Not determined.

Note: The above information is not intended for use in preparing product specifications.

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Hazardous polymerization will not occur.

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Conditions to Avoid: None.
Materials to Avoid: Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides. Chlorine compounds.

SECTION 11 – TRANSPORT INFORMATION

DOT SHIPPING NAME: non-regulated concrete sealer
DOT HAZARD CLASS: N/A
PLACARDS: N/A
DOT I.D. NUMBER: N/A

SECTION 12 – REGULATORY INFORMATION

TSCA: THIS MATERIAL OR ITS COMPONENTS ARE LISTED ON THE TSCA INVENTORY LIST AND COMPLY WITH APPLICABLE RULES AS OF THIS WRITING.

SARA 302: NONE FOUND

SARA 311 & 312: NONE FOUND

SARE 313: THIS MATERIAL DOES NOT CONTAIN ANY INGREDIENTS ON THE LIST OF TOXIC CHEMICALS SUBJECT TO SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III), IN EXCESS OF THE APPLICABLE MINIMUM CONCENTRATIONS AS PER SECTION 372.38 (a).

HAZARD RATING SYSTEM:

| | | | |
|----------------------------|----------|----------------|--------------|
| MFPA No. 704, 1985 EDITION | 1 HEALTH | 0 FLAMMABILITY | 2 REACTIVITY |
| HMIS | 1 HEALTH | 0 FLAMMABILITY | 2 REACTIVITY |

SECTION 13 – ADDITIONAL INFORMATION

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH CFR 1910. 1200. ALL INFORMATION, RECOMMENDATIONS AND SUGGESTIONS APPEARING HEREIN CONCERNING OUR PRODUCT(S) ARE BASED UPON TESTS AND DATA BELIEVED TO BE RELIABLE, HOWEVER, IT IS THE USER'S SOLE RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY AND SUITABILITY FOR HIS OWN USE OF THE PRODUCTS DESCRIBED HEREIN. SINCE THE ACTUAL USE OF THESE PRODUCTS IS BY OTHERS AND BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE BY NOVION INC. AS TO THE EFFECTS OF SUCH USE, INCLUDING THE RESULTS TO BE OBTAINED OR THE SAFETY AND TOXICITY OF THE PRODUCTS NOR DOES NOVION INC. ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THE PRODUCTS REFERRED TO HEREIN. NOR IS THE INFORMATION HEREIN TO BE CONSTRUED AS ABSOLUTELY COMPLETE SINCE ADDITIONAL INFORMATION MAY BE NECESSARY OR DESIRABLE WHEN PARTICULAR OR EXCEPTIONAL CONDITIONS OR CIRCUMSTANCES EXIST OR BECAUSE OF APPLICABLE LAWS OR GOVERNMENT REGULATION.

N/A = NOT APPLICABLE

NF = NONE FOUND