



SAFETY DATA SHEET (SDS)

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Ion-Bond Armor

Chemical Family: Aqueous polysiloxane dispersion

Product Uses: Penetrating sealer for concrete and porous natural or synthetic building materials. Concrete Waterproofing, Radon Mitigation, Vapor Barrier.

MANUFACTURER:

Novion, Inc.
18 L'Hermitage Dr.
Shelton, CT 06484
800 472 0603

EMERGENCY PHONE NUMBER:

PERS Professional Emergency Response Service
Company Code 10492
1-800-633-8253 (U.S. and Canada)
1-801-629-0667 (International)

SECTION 2: HAZARD IDENTIFICATION

Code:	Hazard Statement:	Hazard Class:	Category:
H303	May be harmful if swallowed	Acute toxicity, oral	2
H316	Causes mild skin irritation	Skin corrosion/irritation	3
H320	Causes eye irritation	Serious eye damage/eye irritation	2B
H335	May cause respiratory irritation	Respiratory tract irritation	3

Signal Word:

Warning

Symbol:



PRECAUTIONARY STATEMENTS

PREVENTION **P280:** Wear protective gloves, clothing, eye protection
P264: Wash hands thoroughly after handling.
P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray

RESPONSE **P312:** Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313: IF SKIN irritation occurs: Get medical advice/attention.
P337+p313: If eye irritation persists: Get medical advice/attention
P305+P351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

STORAGE **P410:** Protect from sunlight.
P411: Store at temp not exceeding 100 °F and not below 32 °F.
P401: Store at temp not below 40 °F.



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DISPOSAL **P501:** Dispose of contents/container in accordance with local, federal regulation

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Material / CAS Number	WGHT %	OSHA PEL		ACGH TLV	
		TWA	STEL	TWA	STEL
CONTAINS ONE OR MORE OF THE FOLLOWING SILANES/SILOXANES:	8%-12%				
AMINOETHYLAMINOPROPYLPOLYSILOXANES 67923-07-3		NE	NA	NE	NA
DIMETHYL, HEXYSILOXANES 157709-77-8		NE	NA	NE	NA
SILANOL/STPD 68554-67-6		NA	NE	NA	NE
ALCOHOLS	<5%				
ETHYL ALCOHOL 64-17-5		1,000 ppm	NA	1,000 ppm	NA
4-HYDROXY-2,6,8-TRIMETHYLNONANE 123-17-1		NA	NE	NA	NE
PROPRIETARY COMPOUNDS	<3%	NE	NE	NE	NE
Deionized Water	80%-84%	NA	NA	NA	NA

SECTION 4: FIRST AID MEASURES

- GENERAL:** Treat symptomatically.
- EYES:** May cause mild burning sensation/irritation. Flush eyes thoroughly with large amounts of water for 15 minutes. Seek medical attention.
- SKIN:** May cause mild irritation. Wash exposed area with soap and water. Remove contaminated clothes. Seek medical attention if symptoms arise.
- INGESTION:** Irritation of throat, esophagus, and stomach. Do not induce vomiting. If vomiting occurs keep airway clear. Never give anything by mouth to an unconscious person. Seek medical attention.
- INHALATION:** Mild irritation of respiratory tract, possibly followed by dizziness and headache. Remove to fresh air. Administer oxygen; seek medical help if required.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, Dry Chemical.



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Special Firefighting Procedures: Minimize breathing of gases, vapors, fumes or decomposition products. Use (SCBA) in enclosed or confined areas. Water can be used to cool and protect materials, disperse vapors, flush spills away from exposures.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Take appropriate measure to prevent exposure. Confine area to response personnel. Contain and absorb spill. Wash area with soap and water. Dispose of response equipment and debris in accordance with applicable regulations

SECTION 7: HANDLING AND STORAGE

Do not store at temperatures above 100 °F or below 32 °F. Protect from freezing.

Shelf Life: 45 Days without catalyst. 15 days with catalyst.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Inhalation: Ensure adequate ventilation during use. Wear a NIOSH approved respirator in TLV are exceeded.

Protective equipment: Wear protective gloves, eye protection, minimize skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Grey/white hazy liquid	VAPOR PRESSURE	<5
VAPOR DENSITY	UNKNOWN	SPECIFIC GRAVITY	1.03-1.10
ODOR	Slight lemon odor	FREEZING POINT	32 °F
BOILING POINT	214 °F	EVAPORATION RATE	<1
pH LEVEL	7.9	AUTO-IGNITION TEMP	>900 °F
APPEARANCE	Colored liquid	FLASHPOINT	>200 °F
VOC (EPA METHOD 24)	0.165 lbs/gal	FLAMMABLE LIMITS	N/A

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable

INCOMPATIBLES (materials to avoid): Strong oxidizers, sodium hypochlorite, calcium hypochlorite.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: carbon monoxide, aldehydes, silicon dioxide, formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation, Ingestion. Low toxicity as a result of normal operations/not



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expected to cause illness.

SECTION 12: ECOLOGICAL INFORMATION

N/A

Section 13. DISPOSAL CONSIDERATIONS

Disposal in accordance with local, state, federal regulations.

Section 14. TRANSPORTATION INFORMATION

Non-Hazardous material. Not regulated in transportation.

Section 15. REGULATORY INFORMATION

DOT (USA) STATUS:	Not regulated
TDG (CANADA) STATUS:	Not regulated
AIR ICAO STATUS:	No air shipments. Emits minute quantities of hydrogen gas.
SEA IMDG STATUS:	Not regulated
U.S Toxic Substances Control Act (TSCA):	All components of this product are listed on the U.S. Toxic Substances Control Act (TSCA) inventory or are otherwise compliant with TSCA regulations.
SARA Title III Section 312 Hazard Category (40 CFR311/312):	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).

Section 16. OTHER INFORMATION

All statements, technical information and recommendations contained herein are based upon available scientific test or data which we believe to be reliable since we cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. Novion, Inc. makes no warranties, express or implied, and assumes no responsibility in connection with any use of this information.

SDS revision date: 7/2015