



SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: Ion-Bond Armor - Subsurface Elastomeric Penetrating Sealer I by RadonSeal®

PRODUCT USES: Outdoor/indoor. Commercial/Residential. Waterborne, reactive, non-flammable, penetrating sealer engineered for the treatment of at grade or below grade concrete slabs and walls with high negative side pressures.

ION-BOND ARMOR

MANUFACTURER:

Novion, Inc.
494 Bridgeport Avenue
Suite 101 336
Shelton, CT 06484-4784
USA

EMERGENCY PHONE NUMBER:

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

SYMBOL



SECTION 2: HAZARD IDENTIFICATION

CODE	HAZARD STATEMENT	HAZARD CLASS	CATEGORY	SIGNAL WORD
H303	May be harmful if swallowed.	Acute toxicity, oral.	2	Warning
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	

PRECAUTIONARY STATEMENTS

PREVENTION

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

RESPONSE

P312: Call a POISON CENTER or 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.

DISPOSAL

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

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.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

INGREDIENTS CAS NUMBER	CONCENTRATION	OSHA PEL		ACGH TLV	
		TWA	STEL	TWA	STEL
CONTAINS ONE OR MORE OF THE FOLLOWING SILANES/SILOXANES:	8-12%				
AMINOETHYLAMINOPROPYLPOLYSILOXANES #67923-07-3	5%-10%	NE	NA	NE	NA
DIMETHYL, HEXYSILOXANES #157709-77-8	5%-10%	NE	NA	NE	NA
SILANOL/STPD #68554-67-6	5%-10%	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. **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

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

**ION-BOND
ARMOR**

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable

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

HAZARDOUS 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 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 (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./RadonSeal makes no warranties, express or implied, and assumes no responsibility in connection with any use of this information.

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