



Safety Data Sheet

BOSS® 180 Multi-Seal® Insulation Anchor Pin System Adhesive

Section 1. Identification

Product Identifier BOSS® 180 Multi-Seal® Insulation Anchor Pin System Adhesive
Synonyms 18071; 18001
Manufacturer Stock Numbers 04224WH25; 04224WH10; C04072WH

Recommended use Refer to Technical Information
Uses advised against Refer to Technical Information

Manufacturer Contact
Address Soudal Accumetric
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone	Emergency Phone	Fax
(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 765-2412

Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2A
HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD -
Category 3
SENSITIZATION - SKIN - Category 1
SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 2

Signal Word Warning
Pictogram



Hazard Statements	Causes serious eye irritation Harmful to aquatic life with long lasting effects May cause an allergic skin reaction May cause damage to organs through prolonged or repeated exposure.
Precautionary Statements	
Response	Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Read label before use. Wash contaminated clothing before reuse.
Prevention	Avoid breathing dust/fume/gas/mist/ vapors/spray. Avoid release to the environment Contaminated work clothing must not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/ vapors/spray. Wash hands thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.
Storage	N/A
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified
None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
2224-33-1	Vinyl Oximino Silane	1% - 5%
22984-54-9	Methyl Oximino Silane	1% - 5%
1760-24-3	N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	1% - 5%
63148-62-9	Dimethylpolysiloxane	10% - 30%
112945-52-5	Amorphous fumed silica	5% - 10%
64741-44-2	Distillates (petroleum), straight-run middle	5% - 10%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eye Contact Immediately flush with water for 15 minutes.

Skin Contact	Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.
Inhalation	Remove to fresh air. If symptoms persist, obtain appropriate medical attention.
Ingestion	Get medical attention.
Comments	Treat according to person's condition and specifics of exposure.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.
Unsuitable Extinguishing Media	None known
Auto-ignition Temperature	Not determined
Flammability Limits in Air	Not determined
Special Fire Fighting Procedures	Self-contained breathing apparatus and protective clothing should be worn when fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual Fire or Explosion Hazards	None known

Section 6. Accidental Release Measures

Steps to be taken in case of spill or release	Observe all personal protection equipment. Use absorbent material to collect and contain material for disposal.
	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. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Section 7. Handling and Storage

Storage	Keep container closed and store in a cool, well ventilated area, away from water or moisture.
Handling	Avoid breathing vapors in top of shipping container. Keep container closed. Use with adequate ventilation. Avoid contact with skin and clothing. Wash thoroughly after handling.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH	OSHA	STEL
		TLV	PEL	
	Vinyl Oximino Silane	N/A	N/A	N/A
	Methyl Oximino Silane	N/A	N/A	N/A

	N-beta-(aminoethyl)-gamma-aminopropyltrimethoxysilane	N/A	N/A	N/A
	Dimethylpolysiloxane	N/A	N/A	N/A
	Amorphous fumed silica	10 mg/m3	6 mg/m3	N/A
	Distillates (petroleum), straight-run middle	N/A	N/A	N/A
Personal Protective Equipment	N/A			
Component Exposure Limits	Methyl ethyl ketoxime is formed upon contact with water or moisture in the air. Provide adequate ventilation to control exposures to within the exposure guideline of 2 ppm (TWA).			
Engineering Controls	Local Ventilation: Recommended General Ventilation: Recommended			
Eye Protection	Use proper protection - safety glasses as a minimum.			
Skin Protection	Wash at mealtimes and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.			
	Suitable Gloves: Silver Shield® 4H®			
Respiratory Protection	Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.			
	Suitable Respirator: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits as determined by air sampling or are unknown, appropriate respiratory protection should be worn. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.			
Comment	Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime within the exposure guidelines or use respiratory protection.			

Section 9. Physical and Chemical Properties

Physical State	Paste
Color	White
Odor	Slight
Odor Threshold	N/A
Solubility	Dilutable in wet stage
Partition coefficient Water/n-octanol	N/A
VOC%	47 g/L
Viscosity	N/A
Specific Gravity	1.3
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A

Flash Point	Not applicable
FP Method	N/A
Ph	N/A
Melting Point	Not determined
Boiling Point	Not determined
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not determined
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	Not determined
Vapor Density	Not determined

Note

The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Conditions to Avoid	None known
Hazardous polymerization	Will not occur
Materials to Avoid / Incompatibility	Oxidizing material can cause a reaction.
Chemical Stability	Stable

Section 11. Toxicological Information

Special Hazard Information on Component	Methyl Oximino Silane (22984-54-9) Possible skin sensitizer Vinyl Oximino Silane (2224-33-1) Possible skin sensitizer
Component Toxicology Information	Methyl Ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.
Carcinogenicity	No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
Mutagenicity	This product is not known to be a mutagen.
Teratogenicity	This product is not known to be teratogenic.
Reproductive Toxin	This product is not known to be a reproductive toxin.

Section 12. Ecological Information

Environmental Effects	Complete information is not yet available.
Fate and Effects in Waste Water Treatment Plants	Complete information is not yet available.
Environmental Fate and Distribution	Complete information is not yet available.

Section 13. Disposal

Waste Disposal Method We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Caulking & Glaziers, NOI
DOT Classification	None
Packing Group	N/A
Ocean Shipment (IMDG)	Not subject to IMDG code.

Section 15. Regulatory Information

	The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Status	All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.
SARA Title III Section 302 Extremely Hazardous Substances	None
SARA Title III Section 304 CERCLA Substances dangereuses	None
SARA Title III Section 312 Hazard Class	Acute: Yes Chronic: Yes Fire: No Pressure: No Reactive: No
SARA Title III Section 313 Toxic Chemicals	None present or none present in regulated quantities.

California Proposition 65	This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm: None known
Massachusetts	Silica, amorphous fumed (112945-52-5)
New Jersey	Silica, amorphous (112945-52-5) Dimethyl siloxane, hydroxy-terminated (70131-67-8) Polydimethylsiloxane (63148-62-9) Methyl tri (ethylmethylketoxime) silane (22984-54-9) Calcium carbonate, treated (1317-65-3) Vinyl oximino silane (2224-33-1)
Pennsylvania	Silica, amorphous (112945-52-5) Dimethyl siloxane, hydroxy-terminated (70131-67-8) Polydimethylsiloxane (63148-62-9) Methyl tri (ethylmethylketoxime) silane (22984-54-9) Calcium carbonate, treated (1317-65-3) Vinyl oximino silane (2224-33-1)
Canada Domestic Substances List	All ingredients are listed on the DSL.

Section 16. Other Information

Revision Date 10/30/2015

Disclaimer The data contained herein is based upon information that Soudal Accumetric believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.