



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name	D64110
MSDS name	D-261 EXTRM MOIST VAP BAR COAT
CAS number	Mixture
Product use	Two part moisture vapor barrier system
Generic description	Water Based Epoxy Coating System
Manufacturer	Bostik, Inc. 211 Boston Street Middleton, MA 01949 USA
24 hour emergency assistance	Telephone: 1-800-227-0332
General assistance	Telephone: 1-978-777-0100
MSDS assistance	Telephone: 1-414-607-1347

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS #	Percent
Benzyl alcohol	100-51-6	5 - 10
Phenol	108-95-2	1 - 5
Triethylene tetramine	112-24-3	1 - 5

3. HAZARDS IDENTIFICATION

Emergency overview	This product is irritating to the eyes and skin. Will cause redness and/or swelling. Will bond skin rapidly and strongly.
Potential health effects	
Skin	This product may cause irritation, redness and/or swelling to the skin. Product will immediately bond skin to skin.
Eyes	This product may cause irritation to the eyes. Product can bond to eyelids, sealing eyes shut.
Inhalation	Vapor overexposure may cause irritation.
Ingestion	No hazard known at this time.
Target organs	None known for product as a whole.

4. FIRST AID MEASURES

First aid	
Skin	For skin contact, wash immediately with soap and water. Immerse bonded area in warm soapy water. Carefully peel or roll surface apart with the aid of a blunt edge. DO NOT pull apart with direct opposing action. If irritation persists, get medical attention.
Eye	Immediately flush with plenty of water for at least 15 minutes, holding eyelids open at all times. Get medical attention immediately. See Notes to Physician.
Inhalation	Remove to fresh air. Call a physician if symptoms develop or persist.
Ingestion	If ingested, the adhesive will solidify and adhere to the mouth almost instantly. Saliva will lift the adhesive in 1-2 days. The cured adhesive should not be swallowed.
Notes to physician	Treat symptomatically and supportively. If the eye is bonded shut, flush with warm water, and apply patch. Eye will open in 1-4 days.

5. FIRE FIGHTING MEASURES

Hazardous combustion products	Irritating and toxic gases or fumes may be released during a fire.
Extinguishing media	Use dry chemical, carbon dioxide, or foam. Water spray (fog).
Dust explosion hazard	None Known

Sensitivity to mechanical impact	None Known
Sensitivity to static discharge	None Known
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.
Flash point	93 °F (33.9 °C)

6. ACCIDENTAL RELEASE MEASURES

Emergency action	Appropriate safety measures and protective equipment should be used. See Section 8. Do not discharge to lakes, streams, ponds, or sewers. Dispose of in compliance with local, state, and federal regulations.
Spill or leak procedure	Flood with water to polymerize. Soak up with absorbent material. Thoroughly clean area where spill occurred.
Reporting	See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

7. HANDLING & STORAGE

Handling	Use this product with adequate ventilation. Avoid getting this material into contact with your skin and eyes.
Storage	Store this product in air-tight containers away from sources of heat and light. Cool location should be 60-80 degrees F or 15-30 degrees C.
Empty container precaution	Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Use local exhaust or general ventilation where the potential exists to exceed the PEL or TLV exposure limits.
Eye protection	Wear goggles or safety glasses with side shields.
Skin and body protection	Impervious gloves should be used at all times when handling this product. Recommended gloves include rubber, neoprene, nitrile or viton.
Respiratory protection	If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH/MSHA respiratory protection must be provided

Exposure limits

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Phenol 108-95-2 5 ppm TWA

NIOSH - Pocket Guide - TWAs

Phenol 108-95-2 5 ppm TWA; 19 mg/m3 TWA

OSHA - Final PELs - Time Weighted Averages (TWAs)

Phenol 108-95-2 5 ppm TWA; 19 mg/m3 TWA

OSHA - Vacated PELs - TWAs

Phenol 108-95-2 5 ppm TWA; 19 mg/m3 TWA

9. PHYSICAL & CHEMICAL PROPERTIES

Target solids	100 %
Density	1.08 g/cc
Odor	Ammoniacal
Color	Light yellow
Physical state	Liquid
Freeze protect	Yes

10. STABILITY & REACTIVITY

Hazardous reactions/decomposition products	None known.
Hazardous polymerization	Will not occur.
Conditions to avoid	Polymerized by contact with water, alcohols, amines, alkalis.

Stability This is a stable material.

11. TOXICOLOGICAL INFORMATION

Toxicological data If any toxicological data is available, it will be listed below:

LD50

Toxicology Data - Selected LD50s and LC50s

Benzyl alcohol	100-51-6	<u>Inhalation LC50 Rat: 8.8 mg/L/4H; Oral LD50 Rat: 1230 mg/kg; Dermal LD50 Rabbit: 2000 mg/kg</u>
Phenol	108-95-2	<u>Oral LD50 Rat: 317 mg/kg; Dermal LD50 Rat: 525 mg/kg; Dermal LD50 Rabbit: 630 mg/kg</u>
Triethylene tetramine	112-24-3	<u>Oral LD50 Rat: 2500 mg/kg; Dermal LD50 Rabbit: 550 mg/kg</u>

Carcinogenicity If this product contains any carcinogens, they will be noted below:

12. ECOLOGICAL INFORMATION

Ecotoxicological information No data available for this product.

13. DISPOSAL CONSIDERATIONS

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

Waste disposal Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. When intending to dispose of this material, the user is advised that this product would not be classified as a Hazardous Waste under U.S. Federal Regulations in effect at the time this MSDS was created.

14. TRANSPORT INFORMATION

DOT

Basic shipping requirements:

Proper shipping name	Adhesives
Hazard class	3
UN number	UN1133
Packing group	III



IATA

Basic shipping requirements:

Proper shipping name	Adhesives
Hazard class	3
UN number	UN1133
Packing group	III



IMDG

Basic shipping requirements:

Proper shipping name	Adhesives
Hazard class	3
UN number	UN1133
Packing group	III



15. REGULATORY INFORMATION

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

Federal regulations All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Phenol 108-95-2 1000 lb final RQ; 454 kg final RQ

CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

Phenol 108-95-2 1000 lb EPCRA RQ

CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

Phenol 108-95-2 500 lb lower threshold TPQ; 10000 lb upper threshold TPQ

CERCLA/SARA - Section 313 - Emission Reporting

Phenol 108-95-2 1.0 % de minimis concentration

CWA (Clean Water Act) - Hazardous Substances

Phenol 108-95-2 Present

State regulations If this product contains any ingredients listed under California Proposition 65, they will be noted below:

International regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

HMIS Ratings Health: 3*
Flammability: 2
Physical hazard: 2
Personal protection: X

SARA 311/312 HAZARD CATEGORIES Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

WHMIS status Controlled

WHMIS labeling



WHMIS classification B2 - Flammable/Combustible
D1B - Immediate/Serious-TOXIC
D2A - Other Toxic Effects-VERY TOXIC
D2B - Other Toxic Effects-TOXIC

16. OTHER INFORMATION

Disclaimer The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

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