

Section 1 - Chemical Product and Company Identification**Product Name** Superseal® Edge Treatment**CAS#** Mixture/None Assigned**Generic Name** Coatings (Acrylic)**Formula** Mixture**Chemical Name:** Acrylic Emulsion**Hazard Label** SS-001**Manufacturer Information**Johns Manville Insulations Group
Commercial and Industrial Division
P.O. Box 5108
Denver, CO 80127 USA

Telephone: 303-978-2000

Internet Address: <http://www.jm.com>

Emergency: 800-424-9300 (Chemtrec)

Trade Names: Superseal® Edge Treatment;

Superseal® HV

Section 2 - Composition / Information on Ingredients

CAS #	Component	Percent
Not Available	Acrylic emulsion	80-90
1163-19-5	Decabromodiphenyl oxide	1-10
1309-64-4	Antimony trioxide	1-5
7664-41-7	Ammonia	<0.5*

Additional Component Information

* Ammonia is used to adjust the pH.

Section 3 - Hazards Identification**Emergency Overview**APPEARANCE AND ODOR: SuperSeal Edge Treatment is a black water dispersion with slight ammonia odor.
SuperSeal HV is a black paste with slight ammonia odor.

Under normal conditions of use and handling, this product is not expected to create any health or safety hazards.

Potential Health Effects**Summary**

Due to the form of the product hazardous exposures are unlikely to occur. Exposure may cause slight temporary irritation to skin, eyes, nose, or throat.

Inhalation

Temporary irritation of nose and throat may occur.

Skin

Temporary irritation (itching) or redness may occur.

Absorption

Not applicable

Ingestion

This product is not intended to be ingested or eaten under normal conditions of use. If ingested, it may cause nausea and systemic poisoning.

Eyes

Temporary irritation (itching) or redness may occur.

Primary Routes of Entry (Exposure)

Inhalation, skin, and eye contact.

Target Organs

Upper respiratory passages, skin, and eyes.

Medical Conditions Aggravated by Exposure

None identified.

Section 4 - First Aid Measures

First Aid: Inhalation

Remove to fresh air. If symptoms persist contact a physician.

First Aid: Skin

Remove contaminated clothing. Wash exposed skin with soap and cold water. Launder contaminated clothing before reusing.

First Aid: Ingestion

This product is not intended to be ingested or eaten. If this product is ingested, do not induce vomiting. Drink plenty of water. Contact a physician immediately.

First Aid: Eyes

Flush eyes with large amounts of water for 5-20 minutes. Contact a medical professional.

First Aid: Notes to Physician

Treat symptomatically. Emesis may be indicated in recent (within 30 minutes) ingestion of large quantities.

Section 5 - Fire Fighting Measures

Flash Point: Nonflammable

Upper Flammable Limit (UFL): Not applicable

Auto Ignition: Not determined

Rate of Burning: Not determined

General Fire Hazards

There is no potential for spontaneous fire or explosion.

Extinguishing Media

NA

Fire Fighting Equipment/Instructions

Product as supplied is water based and will not burn.

Method Used: Not applicable

Lower Flammable Limit (LFL): Not applicable

Flammability Classification: Not determined

Section 6 - Accidental Release Measures

Containment Procedures

Dam, mop, absorb onto sawdust, and place in suitable container. Prevent entry of material into sewers or other water sources. Material causes permanent stains.

Clean-Up Procedures

No additional information available.

Section 7 - Handling and Storage

Handling Procedures

Use protective equipment as described in Section 8 of this material safety data sheet when handling uncontained material. Store at temperatures between 4°-35°C/40°-95°F.

Storage Procedures

Do not freeze.

Section 8 - Exposure Controls / Personal Protection

Exposure Guidelines

A: General Product Information

No information available for the product.

B: Component Exposure Limits

Ammonia (7664-41-7)

ACGIH: 25 ppm TWA
35 ppm STEL

OSHA: 35 ppm STEL; 27 mg/m3 STEL

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Safety glasses with sideshields, chemical goggles, or face mask recommended.

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

Respiratory protection is not required if mechanical or dilution ventilation is sufficient to keep the exposure levels below the applicable exposure limits.

Ventilation

Local exhaust or general dilution ventilation should be provided to keep exposure levels below the applicable exposure limits.

Personal Protective Equipment: General

An apron or coveralls impervious to chemicals can be used to protect clothing. Wash exposed skin after contact, before breaks and meals, and at end of work period.

Section 9 - Physical & Chemical Properties

Appearance:	Black water dispersion or black paste.	Odor:	Slight ammonia odor
Physical State:	Liquid or Paste	pH:	8-11
Vapor Pressure:	17 mm Hg (approximate)	Vapor Density:	Not applicable
Boiling Point:	100°C/212°F	Melting Point:	Not determined
Solubility (H₂O):	Dispersible	Specific Gravity:	Same as water
Freezing Point:	Not determined	Evaporation Rate:	25-32%
Bulk Density:	10.0-13.0 lbs/gallon @ 77°F	Percent Volatile:	
VOC:	1.198 g/L		

Section 10 - Chemical Stability & Reactivity Information**Chemical Stability**

This is a stable material.

Chemical Stability: Conditions to Avoid

Keep away from excess heat. Do not freeze.

Incompatibility

Cationic chemicals and mineral acids.

Hazardous Decomposition

Dried films forced to burn will produce carbon monoxide, carbon dioxide, smoke, antimony halides, and hydrogen bromide.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information**Acute Toxicity****A: General Product Information**

Skin, eye, and upper respiratory irritation may occur after contact with product.

B: Component Analysis - LD50/LC50**Decabromodiphenyl oxide (1163-19-5)**

Inhalation LC50 Rat: >48.2 mg/L/1H; Oral LD50 Rat: >2000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

Antimony trioxide (1309-64-4)

Oral LD50 Rat: >34600 mg/kg

Ammonia (7664-41-7)

Inhalation LC50 Rat: 5.1 mg/L/1H; Inhalation LC50 Rat: 2000 ppm/4H; Oral LD50 Rat: 350 mg/kg

Carcinogenicity**A: General Product Information**

According to the International Agency for Research on Cancer (IARC), Monograph, Volume 47, antimony trioxide is classified as a Group 2B chemical agent: possibly carcinogenic to humans. The Monograph states that benign and malignant lung tumors have been seen in rats exposed to concentrations of antimony trioxide of 4.2 and 45 mg/m³. No lung tumors were reported in rats exposed to 1.6 mg/m³. However, there is inadequate evidence of the carcinogenicity of antimony trioxide in humans.

B: Component Carcinogenicity**Decabromodiphenyl oxide (1163-19-5)**

IARC: Group 3 - Not Classifiable (IARC Monograph 71 [1999] Monograph 48 [1990])

Antimony trioxide (1309-64-4)

ACGIH: A2 - Suspected Human Carcinogen (production)

IARC: Group 2B - Possibly Carcinogenic to Humans (IARC Monograph 47 [1989])

Chronic Toxicity

None known.

Section 12 - Ecological Information

Ecotoxicity

A: General Product Information

No additional information available.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Decabromodiphenyl oxide (1163-19-5)

72 Hr EC50 Skeletonema costatum: >1 mg/L

Antimony trioxide (1309-64-4)

96 Hr LC50 Pimephales promelas: 833.0 mg/L; 96 Hr LC50 Lepomis macrochirus: 530 mg/L; 96 Hr LC50 Brachydanio rerio: >1000 mg/L [static]

72 Hr EC50 Selenastrum capricornutum: 67 mg/L

7 Hr EC50 Pseudomonas putida: >3.5 mg/L

48 Hr EC50 Daphnia magna: >1000 mg/L

Ammonia (7664-41-7)

96 Hr LC50 Cyprinus carpio: 1.1 mg/L; 96 Hr LC50 Lepomis macrochirus: 0.26-4.6 mg/L; 96 Hr LC50 Pimephales promelas: 0.73-2.35 mg/L; 96 Hr LC50 Poecilia reticulata: >1.5 mg/L

5 min EC50 Photobacterium phosphoreum: 2.0 mg/L (15 °C)

48 Hr EC50 Daphnia magna: 25.4 mg/L

Section 13 - Disposal Considerations

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 - Transportation Information

Shipping Name: This product is not classified as a hazardous material for transport.

Section 15 - Regulatory Information

US Federal Regulations

A: General Product Information

SARA 311/312: This product is not classified as hazardous under SARA 311/312.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Decabromodiphenyl oxide (1163-19-5)

SARA 313: 1.0 % de minimis concentration

Antimony trioxide (1309-64-4)

CERCLA: 1000 lb final RQ; 454 kg final RQ

Ammonia (7664-41-7)

SARA 302: 500 lb TPQ

CERCLA: 100 lb final RQ; 45.4 kg final RQ

State Regulations**A: General Product Information**

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Decabromodiphenyl oxide	1163-19-5	No	No	Yes	Yes	Yes	Yes
Antimony trioxide	1309-64-4	Yes	No	Yes	Yes	Yes	Yes
Ammonia	7664-41-7	Yes	No	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer.

Antimony trioxide CAS# 1309-64-4

Other Regulatory Information**A: General Product Information**

No information available for the product.

B: TSCA Status

This product and its components are listed on the TSCA 8(b) inventory.

The following components listed in this product are listed on the TSCA Export Notification 12(b) list.

TSCA 12(b)

Component	CAS	TSCA 12 (b)
Decabromodiphenyl oxide	1163-19-5	Yes

C: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Decabromodiphenyl oxide	1163-19-5	Yes	Yes	Yes
Antimony trioxide	1309-64-4	Yes	Yes	Yes
Ammonia	7664-41-7	Yes	Yes	Yes

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Antimony trioxide	1309-64-4	1 %

Section 16 - Other Information

Other Information

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The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Date	MSDS #	Reason
08/01/00	2014-1.0000	New MSDS authoring system.
10/14/02	2014-1.0100	Update Sect. 15 for TSCA 12B: Tetrahydrofuran has been delisted.

Material Name: Superseal® Edge Treatment

**Material Safety Data
Sheet ID: 2014**

10/22/03	2014-1.0101	Section 15, TSCA 12b, add decabromodiphenyl oxide; Update Section 15, State data, Antimony Trioxide and Ammonia.
02/09/05	2014-1.0102	Minor edits throughout MSDS. VOC data entered in section 9.
11/30/05	2014-1.0202	Regulatory update. Minor edits in Section 11 LD50 and Section 15 WHMIS.
01/15/07	2014-1.0203	Minor edits throughout.

This is the end of MSDS # 2014