

MATERIAL SAFETY DATA SHEET

Ashland Inc.

Page 001

Date Prepared: 12/05/06

Date Printed: 12/06/06

MSDS No: 303.0413015-001.001

SEAM SEALER HIGH BODY 12 PART A

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: SEAM SEALER HIGH BODY 12 PART A

Company

Ashland Inc.  
Covington, KY

Emergency Telephone Number:

1-800-ASHLAND (1-800-274-5263)  
24 hours everyday

Regulatory Information Number:

1-800-325-3751

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
EPOXY RESIN	25068-38-6	46.0- 50.0
ACRYLIC ESTERS	60506-81-2	18.0- 22.0
CALCIUM SILICATE	13983-17-0	10.0- 14.0
HYDROCARBON RESIN	25155-81-1	6.0- 10.0
SILICA	67762-90-7	3.0- 7.0
INORGANIC MICROSPHERES	65997-17-3	1.0- 5.0
ELASTOMER	68909-14-8	1.0- 4.8
GLYCIDYL ETHER	17557-23-2	1.0- 3.2

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3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation. Symptoms include stinging, tearing, and redness. Dust can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Fibers or dust from fibers may cause eye irritation from the material scratching the eyes. Symptoms include itching, stinging, tearing, redness, and swelling of eyes.

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Skin

Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Contact with fibrous glass or its dust can cause skin irritation. Symptoms may include redness and an itchy, sometimes bumpy, rash. The rash is aggravated by rubbing or scratching which may even force the glass fibers into the skin. With repeated exposure, some individuals will develop a hardening of the skin and a resistance to the irritant effects of the fibers. Skin irritation is common in individuals newly exposed to fibrous glass. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects), Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

## Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

## Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). This material is a dust or may produce dust. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Prolonged or repeated breathing of this material may result in chronic bronchitis (inflammation of the airways of the lungs). Symptoms include coughing and shortness of breath. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8). Breathing of glass fibers can cause short-term irritation of the mouth, nose, and throat. Other symptoms may include coughing and wheezing. Because of the structure of the fibers, they do not enter the lungs (See Other Health Effects).

## Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough), irritation (nose, throat, airways), cough, chest pain.

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Target Organ Effects

No data

## Developmental Information

There are no data available for assessing risk to the fetus from maternal exposure to this material.

## Cancer Information

This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration. ~~Studies with workers employed up to 40 years in the manufacture of fiberglass~~ have shown no increase in cancer due to fiberglass exposure. Breathing continuous filament fiberglass did not cause cancer in laboratory animals. Studies using artificial implantation or injection of glass fibers into animals have resulted in cancer. Those studies are not considered relevant to human exposure. Neopentyl glycol diglycidyl ether caused skin cancer in mice when applied to the skin over the lifetime of the animals.

## Other Health Effects

Continuous filament fiber glass is a type of man-made mineral fiber. Fiber diameter is the most important factor in determining whether or not fibers can get into the lungs if breathed. Fibers that can enter the lungs are called respirable fibers. According to the National Institute for Occupational Safety and Health (NIOSH), fibers with diameters greater than 3.5 microns are not respirable. This product is composed of glass strands with diameters greater than 3.5 microns, and therefore, if breathed, would not enter the lungs. Instead, they would be stopped in the upper respiratory tract where they would be removed by natural mechanisms such as filtering by nasal hairs. Continuous filament fiber glass products that are chopped, crushed, or severely mechanically processed during manufacturing or use may contain a very small amount of respirable fibers that could reach the deep lung. The measured airborne concentration of these respirable fibers in areas where severe processing of fiberglass occurred has been shown to be extremely low and well below the TLV. Repeated or prolonged exposure to respirable glass fibers has caused fibrosis, lung cancer and mesothelioma in long-term studies in laboratory animals.

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Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact, Ingestion.

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4. FIRST AID MEASURES

Eyes

If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention.

Skin

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

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5. FIRE FIGHTING MEASURES

Flash Point

No data

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Explosive Limit  
No data

Autoignition Temperature  
No data

Hazardous Products of Combustion  
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards  
~~No special fire hazards are known to be associated with this product.~~

Extinguishing Media  
regular foam (such as AFFF), water fog, carbon dioxide, dry chemical.

Fire Fighting Instructions  
Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Rating  
Health - 1, Flammability - 1, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill  
Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

Large Spill  
Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Notify the proper authorities as required that a spill has occurred.

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7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Precautions during use: avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. As with all products of this nature, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material. Keep the work area clean of dusts and fibers released during processing or fabrication. Use vacuum equipment to clean up product. Avoid dry sweeping or using compressed air as these techniques cause dust and fibers to reenter the air.

Storage

Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier).

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

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Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component  
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EPOXY RESIN (25068-38-6)

No exposure limits established

~~ACRYLIC ESTERS (60506-81-2)~~

No exposure limits established

CALCIUM SILICATE (13983-17-0)

No exposure limits established

HYDROCARBON RESIN (25155-81-1)

No exposure limits established

SILICA (67762-90-7)

No exposure limits established

INORGANIC MICROSPHERES (65997-17-3)

ACGIH TLV 5.000 mg/m<sup>3</sup> - TWA

ELASTOMER (68909-14-8)

No exposure limits established

GLYCIDYL ETHER (17557-23-2)

No exposure limits established

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for component) > 300.0 F (148.8 C)

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Vapor Pressure  
(for component) < 10.340 mmHg

Specific Vapor Density  
No data

Specific Gravity  
No data

Liquid Density  
No data

Percent Volatiles  
No data

Evaporation Rate  
No data

Appearance  
No data

State  
UNKNOWN

Physical Form  
No data

Color  
No data

Odor  
No data

pH  
No data

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

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Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

## Chemical Stability

Stable.

## Incompatibility

Avoid contact with: strong acids, strong oxidizing agents.

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11. TOXICOLOGICAL INFORMATION

No data

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12. ECOLOGICAL INFORMATION

No data

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13. DISPOSAL CONSIDERATION

## Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution Company, IC&S Environmental Services Group at 800-531-7106.

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14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

NON-REGULATED BY D.O.T.

Container/Mode:

55 GAL DRUM/TRUCK PACKAGE

NOS Component:

None

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RQ (Reportable Quantity) - 49 CFR 172.101

Not applicable

Other Transportation Information

The Transport Information may vary with the container and mode of shipment.

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15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

None listed

SARA 302 Components - 40 CFR 355 Appendix A

None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(X) Delayed(X) Fire( ) Reactive( ) Sudden  
Release of Pressure( )

SARA 313 Components - 40 CFR 372.65

None

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OSHA Process Safety Management 29 CFR 1910  
None listed

EPA Accidental Release Prevention 40 CFR 68  
None listed

## International Regulations

## Inventory Status

AICS (AUSTRALIA) The intentional ingredients of this product  
are listed.

DSL (CANADA) The intentional ingredients of this product are  
listed.

ECL (SOUTH KOREA) The intentional ingredients of this product  
are listed.

EINECS (EUROPE) The intentional ingredients of this product are  
listed.

IECSC (CHINA) The intentional ingredients of this product are  
listed.

PICCS (PHILIPPINES) The intentional ingredients of this product  
are listed.

## State and Local Regulations

## California Proposition 65

The following statement is made in order to comply with the  
California Safe Drinking Water and Toxic Enforcement Act of  
1986: This product contains the following substance(s) known to  
the state of California to cause cancer.

EPICHLOROHYDRIN

PHENYL GLYCIDYL ETHER

The following statement is made in order to comply with the  
California Safe Drinking Water and Toxic Enforcement Act of  
1986: This product contains the following substance(s) known to  
the state of California to cause reproductive harm.

TOLUENE

EPICHLOROHYDRIN

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16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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