

MATERIAL SAFETY DATA SHEET

Ashland Inc.

Page 001
Date Prepared: 12/05/06
Date Printed: 12/06/06
MSDS No: 303.0413022-001.001

SEAM SEALER CONTROLLED FLOW 6 PART B

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: SEAM SEALER CONTROLLED FLOW 6 PART B

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
EPOXY RESIN CURING AGENT		45.0- 49.0
NONYL PHENOL	84852-15-3	24.0- 28.0
METHYLPENTAMETHYLENEDIAMINE	15520-10-2	10.0- 14.0
HYDROCARBON RESIN	25155-81-1	6.0- 10.0
SILICA	67762-90-7	4.9- 9.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness. 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.

Skin

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, 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

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resistance to the irritant effects of the fibers. Skin irritation is common in individuals newly exposed to fibrous glass. 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 this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the ~~mouth, throat, and digestive tract. Low blood pressure and shock~~ may occur as a result of severe tissue injury.

Inhalation

This material is a dust or may produce dust. 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). Prolonged or repeated breathing of dust may result in progressive and permanent lung disease (fibrosis) which may cause death from respiratory and/or heart failure. Symptoms include coughing and difficult breathing which becomes worse with physical activity. 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), stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), runny nose, cough, sneezing, bronchitis, chest pain, difficult breathing.

Target Organ Effects

Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: effects on lung function.

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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.

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.

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

Immediately flush skin with water for at least 15 minutes while ~~removing contaminated clothing and shoes. Seek immediate medical~~ attention. Wash clothing before reuse and decontaminate or discard contaminated shoes.

Swallowing

Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to the mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. 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).

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, corrosive vapors, phenols, various hydrocarbons.

Fire and Explosion Hazards

~~Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.~~

Extinguishing Media

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

Fire Fighting Instructions

DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Rating

Health - 2, Flammability - 1, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood. Comply with all applicable federal, state, and local regulations.

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

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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.

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. 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 and face shield (8" min.) in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist.)

Skin Protection

Wear impervious gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

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

Exposure Guidelines

Component

EPOXY RESIN CURING AGENT

No exposure limits established

NONYL PHENOL (84852-15-3)

No exposure limits established

METHYLPENTAMETHYLENEDIAMINE (15520-10-2)

No exposure limits established

HYDROCARBON RESIN (25155-81-1)

No exposure limits established

SILICA (67762-90-7)

No exposure limits established

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for component) 379.0 F (192.7 C)

Vapor Pressure

(for component) 130.000 mmHg

Specific Vapor Density

No data

Specific Gravity

No data

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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.

Hazardous Decomposition

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

Chemical Stability

Stable.

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Incompatibility

Avoid contact with: strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations. 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.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

ADHESIVES, 8, UN2735, II

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.

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

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.

ENCS (JAPAN) The intentional ingredients of this product are

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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 reproductive harm.

TOLUENE

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SOURCE:ASHLAND INC WTR, EASYWTR