

MATERIAL SAFETY DATA SHEET

Ashland

Page 001
Date Prepared: 08/18/04
Date Printed: 02/03/06
MSDS No: 310.0292920-003.005

ABS HG 6 BK HIVAL

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: ABS HG 6 BK HIVAL
SAP Material No: 4030521 202 00A
General or Generic ID: THERMOPLASTIC RESIN

Company

Ashland
Ashland Distribution Co. &
Ashland Specialty Chemical Co.
P. O. Box 2219
Columbus, OH 43216
614-790-3333

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)
ACRYLONITRILE-BUTADIENE-STYRENE RESIN		98.0-100.0
STYRENE	100-42-5	0.1- 0.3

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

Dust can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Molten material causes thermal burns.

Skin

Unlikely to cause skin irritation or injury. Molten material causes thermal burns. This material is unlikely to pass into the body through the skin.

Swallowing

Swallowing this material is not likely to be harmful.

Inhalation

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. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

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: irritation (nose, throat, airways).

Target Organ Effects

No data

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 002
Date Prepared: 08/18/04
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ABS HG 6 BK HIVAL

Developmental Information

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

Cancer Information

There was no increase in cancer in rats exposed to styrene by inhalation. However, there was an increase in lung cancer in styrene-exposed mice. The relevance of the mouse lung cancer to humans is uncertain. Styrene did not cause cancer in mice in studies in which the chemical was placed in the stomachs through a feeding tube, or in a study in which styrene was given by injection. Epidemiological studies do not provide a basis for concluding that styrene causes cancer. Styrene is listed as a carcinogen by the International Agency for Research on Cancer (IARC).

Other Health Effects

Thermal processing of this product can produce fumes and/or vapors containing ammonia, carbon dioxide and carbon monoxide. Components of these releases may vary with processing times and temperatures and therefore specific composition cannot be predicted. These fumes and/or vapors may produce eye, skin and/or respiratory tract irritation. With repeated and prolonged exposure at high concentrations, these fumes and/or vapors could cause central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache).

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact.

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention. If eye contact with molten material occurs, hold eyelids apart and flush eyes gently with cool water. Seek immediate medical attention.

Skin

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. If skin contact with molten material occurs, flush exposed area with cool water. Do not forcibly remove material adhering to the skin. Seek immediate medical attention.

Swallowing

First aid is not normally required. If symptoms develop, seek medical attention.

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: respiratory tract, skin, lung (for example, asthma-like conditions).

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 003

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ABS HG 6 BK HIVAL

5. FIRE FIGHTING MEASURES

Flash Point

Not applicable

Explosive Limit

No data

Autoignition Temperature

No data

Hazardous Products of Combustion

May form: acrylonitrile, carbon dioxide and carbon monoxide, hydrogen cyanide, styrene, various hydrocarbons.

Fire and Explosion Hazards

No special fire hazards are known to be associated with this product.

Extinguishing Media

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

Sweep up material for disposal or recovery. Plastic pellets may present a slipping hazard when spilled on walking surfaces.

Large Spill

Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material. Plastic pellets may present a slipping hazard when spilled on walking surfaces.

7. HANDLING AND STORAGE

Handling

No adverse health effects are anticipated from the product at room temperature. However, at process temperatures, the product can emit fumes and vapors which may cause irritation of the eyes and respiratory tract. Any exposure will depend upon processing technique and temperature, volume processed and the effectiveness of exhaust ventilation provided for the process. Effects of chronic exposure to off-gases at processing temperatures have not been fully evaluated. Generally, flame retardant additives and pigment additives are encapsulated in an impervious plastic matrix. These additives are not expected to present a hazard. Pellets may build up static electricity when being transferred from one container to another. Mechanical handling equipment can cause formation of dusts. Maintain good housekeeping. Dust layers should not be permitted to accumulate in order to avoid any potential for dust explosion hazards.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 004
Date Prepared: 08/18/04
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ABS HG 6 BK HIVAL

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

Skin Protection

Wear normal work clothing covering arms and legs. Other protective equipment: Consult your safety products supplier for proper protective equipment to use for thermal processing operations.

Respiratory Protections

If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.) Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

Exposure Guidelines

Component

ACRYLONITRILE-BUTADIENE-STYRENE RESIN
No exposure limits established

STYRENE (100-42-5)
OSHA PEL 100.000 ppm - TWA
OSHA PEL 200.000 ppm - Ceiling
OSHA VPEL 50.000 ppm - TWA
OSHA VPEL 100.000 ppm - STEL
ACGIH TLV 20.000 ppm - TWA (Skin)
ACGIH TLV 40.000 ppm - STEL (Skin)

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

No data

Vapor Pressure

No data

Specific Vapor Density

No data

Specific Gravity

No data

Liquid Density

No data

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 005

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MSDS No: 310.0292920-003.005

ABS HG 6 BK HIVAL

Percent Volatiles

No data

Evaporation Rate

No data

Appearance

No data

State

SOLID

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: acrylonitrile, carbon dioxide and carbon monoxide, hydrogen cyanide, styrene, various hydrocarbons.

Chemical Stability

Stable.

Incompatibility

Avoid contact with: None known.

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.

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 006
Date Prepared: 08/18/04
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MSDS No: 310.0292920-003.005

ABS HG 6 BK HIVAL

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

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)

Component

RQ (lbs)

STYRENE

1000

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

Section 313 Component(s)

CAS Number

%

STYRENE

100-42-5

.25

OSHA Process Safety Management 29 CFR 1910

None listed

EPA Accidental Release Prevention 40 CFR 68

None listed

International Regulations

Inventory Status

DSL (CANADA) 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.

ACRYLONITRILE

Continued on next page

MATERIAL SAFETY DATA SHEET

Ashland

Page 007
Date Prepared: 08/18/04
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ABS HG 6 BK HIVAL

New Jersey RTK Label Information
STYRENE MONOMER

100-42-5

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.

Last page