

SAFETY DATA SHEET



1. Identification

Covestro LLC
formerly Bayer MaterialScience LLC
1 Covestro Circle
Pittsburgh, PA 15205
USA

TRANSPORTATION EMERGENCY

CALL CHEMTREC: (800) 424-9300
INTERNATIONAL: (703) 527-3887

NON-TRANSPORTATION

Emergency Phone: Call Chemtrec
Information Phone: (844) 646-0545

Product Name: RIGID POLYURETHANE/ POLYISOCYANURATE FOAM
Material Number: 6478247
Use: Research and Development Sample

2. Hazards Identification

This product is not classified as hazardous according to OSHA HazCom 2012 (29 CFR 1910.1200).

3. Composition/Information on Ingredients

Hazardous Components

There are no hazardous components above the relevant concentration limits according to OSHA HazCom 2012.

4. First Aid Measures

Most Important Symptom(s)/Effect(s)

Acute: May cause mechanical irritation of the respiratory tract, skin, and/or eyes. Eyes may become red, feel scratchy and may tear., Repeated or prolonged eye and/or skin contact with the dust generated from foam when cutting or molding may produce a dehydrating effect.

Eye Contact

In case of contact with the dust from this product, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

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Skin Contact

Get medical attention if irritation develops.

Inhalation

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Get medical attention if irritation develops.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Firefighting Measures

Suitable Extinguishing Media: Water, Foam, Dry chemical, Carbon dioxide (CO₂)

Unsuitable Extinguishing Media No Data Available

Fire Fighting Procedure

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

Hazardous Decomposition Products

By Fire and Thermal Decomposition: Hydrocarbons, Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke., depending upon product formulation may contain trace amounts of diphenylmethane diisocyanate (MDI), NO₂ and hydrogen cyanide., Other hazardous decomposition products may be formed.

Unusual Fire/Explosion Hazards

Product may melt after ignition to form flammable liquids. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

6. Accidental Release Measures**Spill and Leak Procedures**

Remove mechanically by a method that minimizes the generation of airborne dust (vacuum cleaner, wet mopping, etc.) Do not use compressed air for cleaning.

7. Handling and Storage**Handling/Storage Precautions**

Minimize dust generation and accumulation. Remove all sources of ignition, including flames, heat, and sparks. Wash thoroughly after handling.

Storage Conditions

Keep away from heat, sparks and open flames.

Substances to Avoid

None known.

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8. Exposure Controls/Personal Protection

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

Industrial Hygiene/Ventilation Measures

None required under normal conditions of use. During grinding or sanding, local exhaust ventilation should be used to maintain the dust levels below the exposure limit for nuisance particulates. If this product is heated, local exhaust ventilation must be used to maintain airborne levels below exposure limits for isocyanate vapors, amine vapors, or other decomposition products that may be present.

Respiratory Protection

None required under normal conditions of use., During grinding or sanding of this product, a particulate respirator may be used to control nuisance dust. Any time nuisance dust standards are exceeded a particulate respirator is required. When product is heated, local exhaust ventilation must be used to maintain airborne levels below exposure limits for isocyanate vapors, amine vapors, or other decomposition products that may be present. A supplied air respirator (either positive pressure or continuous flow type) is required if decomposition products are detected above their exposure limits.

Hand Protection

Protective gloves

Eye Protection

Safety glasses with side-shields

Skin Protection

No special skin protection requirements during normal handling and use.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and Chemical Properties

State of Matter:	solid
Color:	Characteristic
Odor:	characteristic
Odor Threshold:	No Data Available
pH:	No Data Available
Freezing Point:	No Data Available
Setting Point:	No Data Available
Melting Point:	No Data Available
Boiling Point:	No Data Available
Flash Point:	No Data Available
Evaporation Rate:	No Data Available
Flammability:	No Data Available
Lower explosion limit:	No Data Available
Upper Explosion Limit:	No Data Available
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Density:	No Data Available
Relative Vapor Density:	No Data Available

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Specific Gravity: No Data Available
Solubility in Water: insoluble
Partition Coefficient: n-octanol/water: No Data Available
Auto-ignition Temperature: No Data Available
Decomposition Temperature: No Data Available
Dynamic Viscosity: No Data Available
Kinematic Viscosity: No Data Available

10. Stability and Reactivity

Hazardous Reactions

Hazardous polymerisation does not occur.

Stability

Stable

Materials to Avoid

None known.

Conditions to Avoid

Heat, flames and sparks. Generation of dust clouds.

Hazardous Decomposition Products

By Fire and Thermal Decomposition: Hydrocarbons, Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke., depending upon product formulation may contain trace amounts of diphenylmethane diisocyanate (MDI), NO₂ and hydrogen cyanide., Other hazardous decomposition products may be formed.

11. Toxicological Information

Likely Routes of Exposure: Inhalation
Skin Contact
Eye Contact

Health Effects and Symptoms

Acute: May cause mechanical irritation of the respiratory tract, skin, and/or eyes. Eyes may become red, feel scratchy and may tear., Repeated or prolonged eye and/or skin contact with the dust generated from foam when cutting or molding may produce a dehydrating effect.

Chronic: Not expected to cause adverse chronic health effects.

Toxicity Data for: RIGID POLYURETHANE/ POLYISOCYANURATE FOAM

The components in this product are either not classified, below the relevant concentration limits, or do not have any toxicity data associated with them.

Carcinogenicity:

No carcinogenic substances as defined by IARC, NTP and/or OSHA

12. Ecological Information

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The components in this product are either not classified, below the relevant concentration limits, or do not have any ecotoxicity data.

13. Disposal Considerations

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

14. Transportation Information

Land transport (DOT)

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Non-Regulated

15. Regulatory Information

United States Federal Regulations

US. Toxic Substances Control Act: Excluded: Article.

No substances are subject to TSCA 12(b) export notification requirements.

US. EPA CERCLA Hazardous Substances (40 CFR 302) Components:

None

SARA Section 311/312 Hazard Categories:

Non-hazardous under Section 311/312

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:

None

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

Weight percent

Components

CAS-No.

95 - 100%

Polyurethane/Polyisocyanurate Foam

California Prop. 65:

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To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

Based on information provided by our suppliers, this product is considered "DRC Conflict Free" as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7-40-10; Date: 2012-08-22).

16. Other Information

The method of hazard communication for Covestro LLC is comprised of Product Labels and Safety Data Sheets.

Contact: Product Safety Department
Telephone: (412) 413-2835
SDS Number: 112000028822
Version Date: 10/16/2015
SDS Version: 1.0

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of Covestro LLC. The information in this SDS relates only to the specific material designated herein. Covestro LLC assumes no legal responsibility for use of or reliance upon the information in this SDS.

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