



DEMILEC (USA) LLC.
POLYURETHANE SYSTEMS MANUFACTURER

MATERIAL SAFETY DATA SHEET

DEMILEC SPRAY-APPLIED RIGID POLYURETHANE FOAM HEATLOK SOY

SECTION 1: PRODUCT & COMPANY INFORMATION

MANUFACTURER OF CHEMICAL COMPONENTS

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PRODUCT

Trade name: Demilec Rigid Urethane Foam

Chemical name: Rigid Urethane Foam Plastic

Chemical family: Urethane

CAS #: 9009-54-5

TDG Classification

Non-regulated

WHMIS CLASSIFICATION:

Non-regulated

SECTION 2: INGREDIENTS

INGREDIENTS	%	# CAS	OSHA PEL (TWA) - 8hr	WEEL (AIHA) (TWA)-8hr
Urethane Plastics	90 – 100	9009-54-5	Not Listed	Not Listed
1,1,1,3,3-Pentafluoropropane	1 – 5	460-73-1	Not Listed	300ppm

SECTION 3: PHYSICAL PROPERTIES

Physical State: Rigid Cellular Plastic
Color: Green lime
Odor: Neutral
Density: 2.0 – 2.4 pcf
Melting Point: N/A, Thermoset
Decomposition Temperature: >250°F
Max. Service Temperature: 180°F
Solubility in water: None

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

State: Combustible
Flash Point: N/A
Auto-Ignition Temperature: 650-800°F
Extinguishing Media: Use water, dry chemical, carbon dioxide or chemical foam.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a positive pressure.

Harzadous Decomposition Products: Under fire conditions, carbon monoxide, carbon dioxide, hydrogen halides and phosphorous oxide, possible traces of hydrogen cyanide and nitrogen oxides.

Rigid Polyurethane foam like other organic materials such as paper, wood and cotton, can present unreasonable fire risks in certain misapplication when exposed to ignition sources in air. Once ignited, fires can burn rapidly and produce rapid flamespread, quick flashover, toxic or flammable gases, dense smoke and intense heat. In no event should the polyurethane foam remain exposed or unprotected.

Precautions:

- 1) Make no application of foam to interior wall and ceilings or other space enclosures without prompt and subsequent application of approved thermal barriers.
- 2) Do no welding or flame cutting until proper surface protection has been provided.
- 3) Avoid the confined storage of large urethane foam buns.

SECTION 5: REACTIVITY DATA

Stability: Stable under normal conditions

Incompatibility: None known

Hazardous decomposition: Under fire conditions; carbon monoxide and dioxide, hydrogen halides phosphorous oxide and possible traces of hydrogen cyanide and nitrogen oxides.

Polymerization: None

Corrosive properties: None

Oxidizer properties: None

Chemical resistance: Stable in the presence of most solvents found in binders, bituminous materials, wood preservatives and sealers.
 -Resistant to facers containing plasticizer, fuel, mineral oil, weak acids and weak bases.
 -Resistant to fungi and microbes.
 -UV rays cause a darkening of the foam surface and with time an embrittlement of the surface.

SECTION 6: HEALTH HAZARD DATA

Routes of entry for solids: Inhalation, skin contact, only if dust is created during cutting.

Routes of entry for gases: N/A

Eye and skin contact with dust: May cause mechanical irritation to skin and eyes.

Dust inhalation: May cause mechanical irritation to respiratory system.

Dust ingestion: May cause choking, if swallowed.

SECTION 7: FIRST AID MEASURES

Eye dust contact: Irrigate with water for 15 minutes.

Skin dust contact: Wash with soap and water thoroughly.

Dust Inhalation: Remove to fresh air if effects occur. If not breathing, give artificial respiration. If breathing is difficult, assist with oxygen. Consult physician.

Ingestion: No adverse effects anticipated by this route.

SECTION 8: HANDLING PRECAUTIONS

Eye protection: Safety glasses during cutting

Skin protection: Protective clothing not necessary

Respiration protection: Dust mask during cutting

Ventilation: Use sufficient ventilation to keep exposure to dust to minimum (below 5-mg/m³ respirable dust).

SECTION 9: DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with Federal, Provincial and Local regulations.

SECTION 10: STORAGE INFORMATION

General: Keep away from open flame, electrical or mechanical sparks, electric heaters, high powered lights, flame sources and flammable liquids and gases.

Storage requirements: Protect all indoor bun and sheet storage areas with fusible sprinklers.

SECTION 11: TRANSPORTATION INFORMATION

Proper shipping name: Spray-applied rigid polyurethane foam HEATLOK SOY

Primary hazard class: N/A

Secondary hazard class: N/A

Label required: None

Placard required: None

Poison constituent: N/A

UN Code: N/A

EPA Registration #: N/A

TDG Classification: Non-regulated

SECTION 12: APPROVALS

Prepared by: Julija Sinanovic, Chemist
Approved by: Dave Lall, General Manager
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