Materials Safety Data Sheet

Product: PU Foam
Date of Issue: Jan. 15 ,2011

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Chemical Product:
PU Foam

Manufacturer:

Emergency Information:

2. COMPOSITON / INFORMATION ON INGREDIENT

Chemical characterization: Polyurethane foam based on polyerethane prepolymer

Hazardous ingredients:

CAS Number	Component Name	Weight %	Danger symbol	Risk phrase
74-98-6/106-97-8	Propane/Butane	1-15	F+	12
115-10-6	Dimethylether	1-15	F+	12
9016-87-9	Diphenylmethane-4,4'-diisocyanate, Isomers und Homologues	30-50	Xn	20-36/37/38 -42/43

3. HAZARDOUS IDENTIFICATION

Acute

Eye	Direct contact may cause mild irritation.
Skin:	No significant irritation expected from a single short-term exposure.
Inhalation:	Vapor overexposure may cause drowsiness.
Oral:	Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Eye	Repeated or prolonged exposure may cause irritation.
Inhalation:	No known applicable information.
Oral:	Repeated ingestion or swallowing large amounts may injure internally.

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Signs and Symptoms of Overexposure
No known applicable information.
Medical Conditions Aggravated by Exposure
No known applicable information

4. FIRST AID MEASURES

Eye	Immediately flush with water for 15 minutes.
Skin:	No first aid should be needed.
Oral:	Get medical attention.
Comments:	Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Autoignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.
Extinguishing Media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.
Fire Fighting Measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual Fire Hazards:	None.

Hazardous Decomposition Products
Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Nitrogen oxides. Silicon dioxide. Formaldehyde. Metal oxides. Sulfur oxides. Iodine compounds. Quartz.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up:	Observe all personal protection equipment recommendations described in Sections 5 and 8. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See section 8 for Personal Protective Equipment for Spills.

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7. HANDLING AND STORAGE

Handling	Handle in well-ventilated area. Avoid contact with skin, eyes and do not swallow
Storage	Store in closed packing between 5℃ and 25℃ away from direct sunlight and other sources of heat

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes:	Use proper protection - safety glasses as a minimum.
Skin:	Not anticipated
Suitable Gloves:	No special protection needed.
Inhalation:	Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.
Suitable Respirator:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits as determined by air sampling or are unknown, appropriate respiratory protection should be worn. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Aerosol
Color:	See product packing
Odor:	Odorless
Flash point	NA
Ignition temperature	>300℃
Explosion limits	Lower: NA, Upper: NA
Vapor pressure [bar]	Not determined
Density @20℃ [g/m]	Approximately 1.2
Solubility with water	Not determined
Ph-value @20℃	NA
Viscosity @20℃ [mPa. s]	NA

10. STABILITY AND REACTIVITY

Chemical Stability: Material is stable
Conditions to Avoid: Excessive heat and strong Oxidizing agents
Incompatible Materials: Acetylene,Acid, Amines, Ammonia, Hydrazine, Metal Sulfides, Peroxides, Strong Oxidizers
Hazardous decomposition product: non at appropriate use.

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Materials to avoid:unknown
Conditions to avoid: Keep away from sources of ignition. At temperatures >100℃ the container may brust

11. TOXILOGICAL INFORMATION

Contains diphenylmethane-4,4'-diisocyanate (MAK-value 0.005 ppm). May cause sensitization by inhalation and skin contact. Avoid repeatedly contact or contact for a longer timer. People with isocyanate allergy should not be in contact with the content. In case of very sensitive persons low concentrations can cause asthmatic reactions.

12. Ecological information

Ecotoxicity: unknown
Degradability: unknown.

13. Disposal Considerations

Empty canister company completely and let the sprayed material cure.

Disposal should be in accordance with applicable regional, national and local laws and regulations, Local regulations maybe more stringent than regional or national requirements.

14. TRANSPORT INFORMATION

The data provide in this section is for information only. Please apply the appropriate regulations to properly classify your shipment.

U.S. Dot Hazard Class: Not regulated as hazardours
UN Number: Not regulated as hazardours

15. REGULATORY INFORMATION

Not available

16. Other information

This data complete the technical data sheet for use, but it doesn't replace it. The data given here is based on current knowledge and experience. The purpos of this safty data sheet is to decribe the products in terms of their safty requirements.

The data does not signify any warranty with regard to the product's properties.