

Polyurethane Foam Part B

1. IDENTIFICATION OF THE SUBSTANCE

Products Name: TWO PART POLYURETHANE FOAM Part B
CELLANATE M

2 HAZARDS IDENTIFICATION

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact.
CLASSIFICATION (1999/45) Xn;R20. R42/43. Xi;R36/37/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
DIPHENYLMETHANE-2,4'-DI-ISOCYANATE	227-534-9	5873-54-1	4-6%	Xn;R20 R42/43 Xi;R36/37/38
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	202-966-0	101-68-8	45-50%	Xn;R20 R42/43 Xi;R36/37/38
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues		9016-87-9	45-50%	Xn;R20. Xi;R36/37/38. R42.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove affected person from source of contamination. Get medical attention promptly if symptoms occur after washing. Rinse the skin immediately with lots of water. Get medical attention if any discomfort continues.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Alcohol resistant foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Use water to keep fire exposed containers cool and disperse vapours.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Stop leak if possible without risk. DO NOT touch spilled material! Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
DIPHENYLMETHANE-2,4'-DI-ISOCYANATE	WEL	0.02 mg/m3(Sen)	0.07 mg/m3(Sen)	
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE	WEL	0.02 mg/m3(Sen)	0.07 mg/m3(Sen)	
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues	WEL	0.02 mg/m3(Sen)	0.07 mg/m3(Sen)	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Brownish Red
ODOUR	Musty (mouldy).
SOLUBILITY	Decomposes in water.
BOILING POINT (°C)	>300C decomposes
RELATIVE DENSITY	1.23 25
VAPOUR DENSITY (air=1)	8.5
VISCOSITY	170-270 mPas 25
FLASH POINT (°C)	230 CC (Closed cup).

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances.

MATERIALS TO AVOID

Water, steam, water mixtures. Alcohols, glycols. Amines. Bases, alkalis (inorganic). Strong acids.

11 TOXICOLOGICAL INFORMATION**HEALTH WARNINGS**

INGESTION. May cause stomach pain or vomiting. Pulmonary sensitiser. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause sensitisation by skin contact. This chemical may cause skin/eye irritation and burns (corrosive). May cause skin irritation/eczema. INHALATION. Severe pulmonary irritant. May cause irritation to the respiratory system. EYE CONTACT. May cause severe irritation to eyes.

EYES, NOSE AND MOUTH. Repeated exposure may cause chronic eye irritation. SKIN. Mild dermatitis, allergic skin rash. Defatting, drying and cracking of skin.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Eyes Gastro-intestinal tract Respiratory system, lungs Skin

MEDICAL SYMPTOMS

Severe pulmonary irritation. General respiratory distress, unproductive cough. Nausea, vomiting.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Dangerous for the environment if discharged into watercourses.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

	No transport warning sign required.
ADR CLASS	Not classified for transportation.

15 REGULATORY INFORMATION**LABELLING**

Harmful

CONTAINS

DIPHENYLMETHANE-2,4'-DI-ISOCYANATE
DIPHENYLMETHANE-4,4'-DI-ISOCYANATE
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues

RISK PHRASES

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES

S23	Do not breathe vapour/spray.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60	This material and its container must be disposed of as hazardous waste.
P4	Contains isocyanates. See information supplied by the manufacturer.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

16 OTHER INFORMATION

REVISION DATE 16/02/2011

REV. NO./REPL. SDS GENERATED 0

RISK PHRASES IN FULL

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R42	May cause sensitisation by inhalation.