

PU FOAM

INSULATION & CONSTRUCTION FOAM



ISO 9001

1. Product & Company Identification

Product Details

Product name: PU Foam Insulation & Construction Foam
Physical form: Aerosol
Odour: Odourless
CAS No.: Mixture
Flammability: Combustible

Company Details

Manufacturer: Mohm Chemical Sdn Bhd
Address: No. 32, Jalan Temenggong, Off Jalan Tampoi, 81100 Johor Bahru, Johor, Malaysia.
Tel: + 60-7-3331222
Fax: + 60-7-3320545/ + 60-7-3337919

2. Hazards Identification

Hazard Pictogram



Signal Word: Warning

Classification

Skin corrosion or irritation	Category 2
Serious eye damage or eye irritation	Category 2
Flammable aerosols	Category 2
Specific target organ toxicity-single exposure	Category 3

Hazard Statement

H223 - Flammable aerosol
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

Precautionary Statement – Prevention

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.



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P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement – Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statement – Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Precautionary Statement – Disposal

P501 - Dispose of contents/container in accordance with regulations made under the control of Pollution & Environmental Protection Acts.

3. Composition / Hazardous Components

<u>Chemical Name</u>	<u>CAS No.</u>	<u>WT%</u>
Diphenylmethane-4,4' diisocyanate	9016-87-9	< 45 %
Propane	74-98-6	< 10 %
Butane	106-97-8	< 10 %
Dimethylether	115-10-6	< 15 %

4. First-aid Measures

Take off all contaminated clothing immediately.

Eye Contact : Immediately flush with running water for at least 15 minutes, holding the eyelids apart and seek medical advice.

Skin Contact : Wipe with paper towel and immediately clean with soap and water.

Inhalation : Remove to fresh air and rest, seek medical advice if necessary.

Ingestion : Rinse mouth with water several times, seek medical advice immediately.



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5. Fire Fighting Measures

Suitable extinguishing media:	CO ₂ , powders, foam and water spray.
Unsuitable extinguishing media:	Water from a jet.
Special firefighting procedure:	Wear protective clothing and breathing apparatus. Remove unexposed containers from the danger area. Cool with water, container may burst. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.
Hazardous decomposition:	Carbon dioxide, carbon monoxide, isocyanates, smoke, oxides of nitrogen, chlorhydric acid, hydrogen cyanide, sulphur dioxide.

6. Accidental release measures

Methods for cleaning up:	Wipe and scrape up, put in a container for disposal.
Environmental precautions:	Keep away from drains and watercourses.

7. Handling and Storage

Handling:	Avoid contact with eyes and skin. Handle in well-ventilation area.
Storage:	Store in well-ventilated area in closed container between +5 to +25°C. Keep away from direct sunlight and other sources of heat.

8. Exposure control / Personal protection

Engineering measures:	Provide adequate ventilation.
Hand protection:	Suitable protective gloves.
Eye protection:	Safety/protective glasses.
Respiratory protection:	Avoid breathing vapour. Maintain good ventilation.
Flammability:	Contain combustible propellant, keep away from heating sources.
Exposure limits:	Propane/butane: MAK 1000ppm, Dimethylether: MAK 1000ppm. Diphenylmethane-4,4'-diisocyanate: MAK 0.005ppm.

9. Physical and Chemical Properties

Form:	Aerosol
Colour:	Yellow
Odour:	Odourless
Specific gravity:	0.30 ± 0.10
Flash point:	N/A
Ignition temperature:	> 300°C
Vapour pressure (20°C):	5.5 bar @ 20°C, 11.0 bar @ 50°C
Solubility with water:	Insoluble



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10. Stability and Reactivity

Chemical stability:	Stable
Incompatibility (material to be avoid):	Unknown
Conditions to be avoid:	Keep away from sources of ignition. Container may burst when heated.
Dangerous reactions:	None known.
Dangerous products of decomposition:	Carbon dioxide, carbon monoxide, isocyanates, smoke, oxides of nitrogen, chlorhydric acid, hydrogen cyanide, sulphur dioxide.

11. Toxicological Information

Contain diphenylmethane-4,4'-diisocyanate:	MAK 0.005ppm.
On the skin:	Irritant for skin.
On the eye:	Irritant effect.
Sensitization:	May cause sensitisation of the respiratory system leading to an asthmatic condition.

12. Ecological Information

Avoid uncured product will come in the environment.	
Degradability:	Unknown.
Ecotoxicity:	Unknown.
WGK:	1 (self-assessment).

13. Disposal Considerations

Waste Disposal Method:	All disposals must comply with relevant authorities' regulations.
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14. Transport Information

By land(ADR/RID)	
Name:	Aerosols
UN-number:	1950
Class:	2
Classification code:	5A
Limited quantities:	LQ2
Danger label:	2.2
By air(ICA/O/IATA-DGR)	
Name:	Aerosols
UN-number:	1950
Class:	2.2
By sea(IMDG-Code)	
Name:	Aerosols
UN-number:	1950
Class:	2
EmS-Nr.:	2-13
Marine Pollutant:	No

15. Regulatory Information

Labeling (EC):	This product is subject to the labeling requirements.	
Danger symbol:	F+, Xn.	
Contain:	Diphenylmethane 4,4' di-isocyanate, isomers and homologues.	
Risk phrases:	R12	Extremely flammable.
	R20	Harmful by inhalation.
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R42/43	May causes sensitization by inhalation and skin contact.
Safety phrases:	S2	Keep out of reach of children.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S28	After contact with skin, wash immediately with plenty of water.
	S38	In case of insufficient ventilation, wear suitable respiratory equipment.
	S45	In case of accident or if you feel unwell, seek medical advice immediately.

Pressurized container. Protect from sunlight and do not expose to temperature exceeding 50°C.

Do not pierce or burn even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition. No smoking.

In use, may form flammable/explosive vapour-air mixture.

Keep out of reach of children.



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16. Other Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use and determine whether they are appropriate.

*** End Of SDS ***

