

RIGID POLYURETHANE FOAM

Chemwatch Material Safety Data Sheet
Issue Date: Tue 18-Oct-2005

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Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

RIGID POLYURETHANE FOAM

SYNONYMS

PRODUCT USE

Used in packaging, bedding, cushions etc.

Section 2 - HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. According to the Criteria of NOHSC, and the ADG Code.

POISONS SCHEDULE

None

RISK

SAFETY

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
rigid polyurethane foam article		100

Section 4 - FIRST AID MEASURES

SWALLOWED

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

EYE

- If this product comes in contact with eyes:
- Wash out immediately with water.
 - If irritation continues, seek medical attention.
 - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

Not applicable.

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prosthesis such as false teeth, which may block airway, should be removed,

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Section 4 - FIRST AID MEASURES

where possible, prior to initiating first aid procedures.

- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor, without delay.

NOTES TO PHYSICIAN

Treat symptomatically.

Section 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

- Water spray or fog.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use water delivered as a fine spray to control fire and cool adjacent area.
- DO NOT approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

FIRE/EXPLOSION HAZARD

Combustible.

NOTE: Burns with intense heat. Produces melting, flowing, burning liquid and dense acrid black smoke.

On combustion, emits toxic fumes of hydrogen cyanide, nitrogen oxides (NO_x), carbon monoxide (CO) and carbon dioxide (CO₂).

FIRE INCOMPATIBILITY

Avoid contamination with strong oxidising agents as ignition may result.

HAZCHEM

None

Section 6 - ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

MINOR SPILLS

Pick up foam pieces.

MAJOR SPILLS

- Minor hazard.
- Clear area of personnel.

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Section 6 - ACCIDENTAL RELEASE MEASURES

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear physical protective gloves e.g. Leather.
- Contain spill/secure load if safe to do so.
- Bundle/collect recoverable product and label for recycling.
- Collect remaining product and place in appropriate containers for disposal.
- Clean up/sweep up area.
- Water may be required.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

Section 7 - HANDLING AND STORAGE

PROCEDURE FOR HANDLING

No special handling procedures required.

SUITABLE CONTAINER

Carton or bag.

STORAGE INCOMPATIBILITY

Avoid storage with oxidisers.

STORAGE REQUIREMENTS

- Keep dry.
 - Store under cover.
 - Store in a well ventilated area.
 - Store away from sources of heat or ignition.
 - Observe manufacturer's storing and handling recommendations.
-

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS

Not applicable.

PERSONAL PROTECTION

EYE

Not applicable.

HANDS/FEET

Not applicable.

OTHER

Not applicable.

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Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

None under normal operating conditions.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Rigid foam; insoluble in water.

PHYSICAL PROPERTIES

Does not mix with water.

Molecular Weight: Not available.
Melting Range (°C): Not available.
Solubility in water (g/L): Insoluble
pH (1% solution): Not applicable.
Volatile Component (%vol): Not Applicable
Relative Vapour Density (air=1): Not Applicable
Lower Explosive Limit (%): Not Applicable
Autoignition Temp (°C): Not available.
State: Manufactured

Boiling Range (°C): Not Applicable
Specific Gravity (water=1): Not Applicable
pH (as supplied): Not applicable
Vapour Pressure (kPa): Not Applicable
Evaporation Rate: Non Volatile
Flash Point (°C): Not Applicable
Upper Explosive Limit (%): Not Applicable
Decomposition Temp (°C): Not available.

Section 10 - CHEMICAL STABILITY AND REACTIVITY INFORMATION

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
 - Product is considered stable.
 - Hazardous polymerisation will not occur.
-

Section 11 - TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

Not normally a hazard due to the physical form of product. The material is a physical irritant to the gastro-intestinal tract.
Considered an unlikely route of entry in commercial/industrial environments.

EYE

Not normally a hazard due to physical form of product.

SKIN

Not applicable.

INHALED

Not normally a hazard due to non-volatile nature of product.
Material may generate irritant and toxic fumes if heated at temperatures

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Section 11 - TOXICOLOGICAL INFORMATION

above its melting point.

CHRONIC HEALTH EFFECTS

Not applicable.

TOXICITY AND IRRITATION

TOXICITY

Not available.

IRRITATION

Section 12 - ECOLOGICAL INFORMATION

Harmless to the environment.

Not biodegradable.

Section 13 - DISPOSAL CONSIDERATIONS

May be disposed of with ordinary refuse.

Care should be taken in some instances when disposing of sizeable amounts of newly formed foam (more than 10 cubic feet). Large foam cushions or bags should be allowed to cure for 24 hours prior to disposal in a trash compactor. This will allow any heat trapped inside the foam to dissipate.

Compacting a freshly made large foam cushion can concentrate the heat within the foam and increase the potential of ignition.

Section 14 - TRANSPORTATION INFORMATION

Dangerous Goods Class: None

Subrisk: None

UN/NA Number: None

Packing Group: None

Labels Required:

Additional Shipping Information:

International Transport Regulations:

IMO Dangerous Goods class: None

IMO Packing group: None

IATA Dangerous goods class: None

Cargo Instructions:

Cargo Max:

Passenger Instructions:

Passenger Max:

Special Provisions: None, None

HAZCHEM

None

Section 15 - REGULATORY INFORMATION

POISONS SCHEDULE

None

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Section 16 - OTHER INFORMATION

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