

### SAFETY DATA SHEET

### **INSTAPAK® MOLDING FOAM COMPONENT "B"**

### **Section 1. Identification**

: INSTAPAK® MOLDING FOAM COMPONENT "B" **Product identifier** 

**Product code** : Not available. Other means of : Not available. identification

**Product type** : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Component used for producing Instapak® polyurethane foam.

Area of application : Industrial applications.

Manufacturer : Sealed Air Pty Ltd

> A.B.N. 65 004 207 532 1126 Sydney Road, Fawkner VIC 3060

Australia

Telephone:+61 3 9358 2244

e-mail address of person responsible for this SDS

**Emergency telephone** number (with hours of

operation)

: Sealedair.com

: Chemtrec: +61 290372994 (24/7)

### Section 2. Hazard(s) identification

Classification of the substance or mixture : H319

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

**GHS** label elements

**Hazard pictograms** 



: WARNING Signal word

**Hazard statements** : H319 - Causes serious eye irritation.

**Precautionary statements** 

**Prevention** : P280 - Wear eye or face protection.

: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Response

Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.

**Storage** : Not applicable.

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### Section 2. Hazard(s) identification

**Disposal** Supplemental label elements

: Not applicable. : Not applicable.

Other hazards which do not : None known.

result in classification

### Section 3. Composition and ingredient information

Substance/mixture Other means of identification

: Not available.

: Mixture

| Ingredient name                    | % (w/w)   | CAS number |
|------------------------------------|-----------|------------|
| Polyalkoxylated linear alcohol     | ≥10 - <25 | -          |
| 2-[2-(dimethylamino)ethoxy]ethanol | ≤3        | 1704-62-7  |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### **Description of necessary first aid measures**

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin contact** 

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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### Section 4. First aid measures

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.
 Skin contact : No known significant effects or critical hazards.
 Ingestion : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** 

: No specific treatment.

**Protection of first-aiders** 

: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### See toxicological information (Section 11)

### Section 5. Firefighting measures

### **Extinguishing media**

Suitable extinguishing media

: Use dry chemical, CO<sub>2</sub>, alcohol-resistant foam or water spray (fog).

Unsuitable extinguishing

media

: Do not use water jet.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: carbon dioxide

carbon dioxide carbon monoxide nitrogen oxides

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### **Environmental precautions**

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 10 to 40°C (50 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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### Section 8. Exposure controls and personal protection

#### **Control parameters**

Occupational exposure limits

None.

#### **Biological exposure indices**

None known.

# Appropriate engineering controls

**Environmental exposure** controls

- : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

# Skin protection Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): nitrile rubber, neoprene, butyl rubber, PVC, Viton®

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** 

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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# Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

**Appearance** 

Physical state : Liquid.

**Colour** : Clear. Straw.

Odour : Ammonia. [Slight]

Odour threshold : Not available.

**PH** : 9.6

Melting point/freezing point : -7°C (19.4°F)

Boiling point, initial boiling : 100°C (212°F)

point, and boiling range

Flash point : Not available.
Evaporation rate : Not available.
Flammability : Not available.
Lower and upper explosion : Not available.

limit/flammability limit

Vapour pressure : ▼0.13 kPa (<1 mm Hg)

: Not applicable.

**Relative vapour density** : >1 [Air = 1]

Relative density : 1.04

oold water

MediaResultpoid water<br/>hot waterEasily soluble<br/>Easily soluble

Partition coefficient: n-

octanol/water

Solubility(ies)

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Flow time (ISO 2431) : Not available.

**Particle characteristics** 

Median particle size : Not applicable.

**Other information** 

Physical/chemical : No additional information.

properties comments

### Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable. Store between the following temperatures: 10 to 40°C.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Under normal conditions of storage and use, hazardous polymerisation will not occur.

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### Section 10. Stability and reactivity

**Conditions to avoid** 

: Heat and open flames.

Incompatible materials

: Reactive or incompatible with the following materials: oxidising materials, reducing materials, metals, acids and alkalis.

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

### Information on toxicological effects

### **Acute toxicity**

| Product/ingredient name             | Result                 | Species               | Dose                     | Exposure |
|-------------------------------------|------------------------|-----------------------|--------------------------|----------|
| 2-[2-(dimethylamino)ethoxy] ethanol | LC50 Inhalation Vapour | Rat - Male,<br>Female | >392.2 mg/m³             | 4 hours  |
|                                     | LD50 Dermal            | Rabbit                | 1715 mg/kg<br>Estimated. | -        |
|                                     | LD50 Oral              | Rat                   | 2216 mg/kg<br>Estimated. | -        |

### Conclusion/Summary

: Mixture: May be harmful if swallowed or in contact with skin.

### **Irritation/Corrosion**

| Product/ingredient name             | Result                  | Species | Score | Exposure     | Observation |
|-------------------------------------|-------------------------|---------|-------|--------------|-------------|
| 2-[2-(dimethylamino)ethoxy] ethanol | Eyes - Visible necrosis | Rabbit  | -     | -            | -           |
|                                     | Skin - Visible necrosis | Rabbit  | -     | 1 to 4 hours | ≤14 days    |

#### **Conclusion/Summary**

Skin

: Mixture: On basis of test data (similar material): Non-irritant to skin.

Method Detail:

- 431 In Vitro Skin Corrosion: Human Skin Model Test

- 439 In Vitro skin irritation: Reconstructed human epidermis test

**Eyes** 

: Mixture: On basis of test data - Isolated Chicken Eye (ICE) test - (similar material):

Irritating to eyes.

Respiratory

: Mixture: Non-irritating to the respiratory system.

#### **Sensitisation**

| 3                                   | Route of exposure | Species    | Result          |
|-------------------------------------|-------------------|------------|-----------------|
| 2-[2-(dimethylamino)ethoxy] ethanol | skin              | Guinea pig | Not sensitizing |

### **Conclusion/Summary**

Skin : Not available.

Respiratory : Not available.

### **Mutagenicity**

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### **Section 11. Toxicological information**

| Product/ingredient name             | Test   | Experiment  | Result   |
|-------------------------------------|--|---|----------|
| 2-[2-(dimethylamino)ethoxy] ethanol | OECD 473 In vitro<br>Mammalian<br>Chromosomal<br>Aberration Test | Experiment: In vitro<br>Subject: Mammalian-Animal | Negative |

**Conclusion/Summary** 

: Not available.

**Carcinogenicity** 

**Conclusion/Summary** : Not available.

**Reproductive toxicity** 

| Product/ingredient name             | Maternal toxicity | Fertility | Developmental toxin | Species | Dose                                   | Exposure |
|-------------------------------------|-------------------|-----------|---------------------|---------|--|----------|
| 2-[2-(dimethylamino)ethoxy] ethanol | Negative          | Negative  | Negative            |         | Inhalation:<br>50.8 mg/<br>m³<br>NOAEL | -        |

**Conclusion/Summary** 

: Not available.

**Teratogenicity** 

**Conclusion/Summary** : Not available. Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

### **Aspiration hazard**

Not available.

of exposure

**Information on likely routes**: Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards. **Skin contact** : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:

> pain or irritation watering redness

Inhalation : No specific data. **Skin contact** : No specific data. Ingestion : No specific data.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Short term exposure** 

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## **Section 11. Toxicological information**

**Potential immediate** 

effects

: Not available.

**Potential delayed effects** 

: Not available.

Long term exposure

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

### Potential chronic health effects

| Product/ingredient name             | Result                                   | Species               | Dose       | Exposure  |
|-------------------------------------|--|-----------------------|------------|-----------|
| 2-[2-(dimethylamino)ethoxy] ethanol | Chronic NOAEL Inhalation Dusts and mists | Rat - Male,<br>Female | 50.8 mg/m³ | 696 hours |

Conclusion/Summary
 No known significant effects or critical hazards.
 Carcinogenicity
 No known significant effects or critical hazards.
 Mutagenicity
 No known significant effects or critical hazards.
 Reproductive toxicity
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

### **Numerical measures of toxicity**

### **Acute toxicity estimates**

| Product/ingredient name   | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | (vapours) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|---|------------------|-------------------|--------------------------------|-----------|--|
| INSTAPAK MOLDING FOAM COMPONENT "B" Polyalkoxylated linear alcohol 2-[2-(dimethylamino)ethoxy]ethanol | 5000             | 114333.3          | N/A                            | N/A       | N/A  |
|   | 500              | N/A               | N/A                            | N/A       | N/A  |
|   | 2216             | 1715              | N/A                            | N/A       | N/A  |

### **Section 12. Ecological information**

### **Toxicity**

| Product/ingredient name Result   | Species  | Exposure                   |
|--|--|----------------------------|
| 2-[2-(dimethylamino)ethoxy] Acute EC50 160 mg/l ethanol  Acute EC50 >100 mg/l Free Acute LC50 320 mg/l | Algae - Selenastrum capricornutum sh water Daphnia - Daphnia magna Fish - Leuciscus idus | 72 hours 48 hours 96 hours |

**Conclusion/Summary**: Mixture: Not classified as dangerous

### Persistence and degradability

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### **Section 12. Ecological information**

| Product/ingredient name             | Test   | Result   | Dose | Inoculum                           |
|-------------------------------------|--|--|------|------------------------------------|
| 2-[2-(dimethylamino)ethoxy] ethanol | OECD 302B<br>Inherent<br>Biodegradability:<br>Zahn-Wellens/<br>EMPA Test<br>OECD 301F<br>Ready<br>Biodegradability -<br>Manometric<br>Respirometry<br>Test | 10 to 20 % - Not readily - 28 days 2 % - Not readily - 28 days | -    | Activated sludge  Activated sludge |

### Conclusion/Summary

: Not available.

| Product/ingredient name             | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------------------|-------------------|------------|------------------|
| 2-[2-(dimethylamino)ethoxy] ethanol | -                 | -          | Not readily      |

### **Bioaccumulative potential**

| Product/ingredient name             | LogPow | BCF | Potential |
|-------------------------------------|--------|-----|-----------|
| 2-[2-(dimethylamino)ethoxy] ethanol | -0.778 | -   | low       |

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

### Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

### **Disposal methods**

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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### **Section 14. Transport information**

|                            | ADG            | ADR/RID        | IMDG           | IATA           |
|----------------------------|----------------|----------------|----------------|----------------|
| UN number                  | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name    | -              | -              | -              | -              |
| Transport hazard class(es) | -              | -              | -              | -              |
| Packing group              | -              | -              | -              | -              |
| Environmental hazards      | No.            | No.            | No.            | No.            |

Special precautions for user : Transport within user's premises: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

Transport in bulk according : Not available.

to IMO instruments

### Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

**Australia inventory (AIIC)** : Not determined.

**International regulations** 

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

**Montreal Protocol** 

Not listed.

**Stockholm Convention on Persistent Organic Pollutants** 

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals** 

Not listed.

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### Section 16. Any other relevant information

Other special considerations

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Prepared by

: Sphera Solutions

**Key to abbreviations** 

: ADG = Australian Dangerous Goods

ADR = The European Agreement concerning the International Carriage of

Dangerous Goods by Road ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships,

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

SUSMP = Standard Uniform Schedule of Medicine and Poisons

**UN = United Nations** 

#### Procedure used to derive the classification

| Classification                                  | Justification         |
|---|-----------------------|
| SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A | On basis of test data |

#### References

: Work Health and Safety Regulations 2011, as ammended

Preparation of Safety Data Sheets for Hazardous Chemicals, Code of Practice, Safe

Work Australia

Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG),

**National Transport Commission** 

Indicates information that has changed from previously issued version.

#### **Notice to reader**

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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