

VOLUNTARY SAFETY INFORMATION DOCUMENT

VYDRO FOAM

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : VYDRO FOAM
EC number : Not applicable. Article.
Chemical name : Polyurethane Foam
REACH Registration number
Registration number : Not applicable.
CAS number : None assigned.
Product code : 00072218
Product description : Polyurethane Foam

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

Identified uses	
Not available.	
Uses advised against	Reason
Not available.	-

1.3 Details of the supplier of the safety data sheet

Supplier : Huntsman Holland BV
Merseyweg 10
3197 KG Botlek-Rotterdam
The Netherlands
Tel: +31 181 299111
Fax: +31 181 293900

e-mail address of person responsible for this SDS : Global_Product_EHS_HPU@huntsman.com

1.4 Emergency telephone number

Supplier
Telephone number : EUROPE: +32 35 75 1234
USA: +1/800/424.9300
ASIA: +65 6542 9595
China: +86 20 39377888
India +91 22 40506333
Australia: 1800 786 152
New Zealand: 0800 767 437

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Article : Polyurethane polymer. The isocyanate and polyol are completely reacted during manufacture and the foam, as supplied, contains no free isocyanate.

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

Classification according to Directive 67/548/EEC [DSD]

Not classified.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

Date of printing : 13 March 2012 MSDS no. : 00072218
Date of issue : 13 March 2012 Version : 1.01

SECTION 2: Hazards identification

2.2 Label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Not applicable.
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.
Supplemental label elements : Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings : Not applicable.
Tactile warning of danger : Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII : PBT: No.
P: No. B: No. T: No.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : vPvB: No.
vP: No. vB: No.

Other hazards which do not result in classification : Not available.

SECTION 3: Composition/information on ingredients

Substance/mixture : Article : Polyurethane polymer. The isocyanate and polyol are completely reacted during manufacture and the foam, as supplied, contains no free isocyanate.

Date of printing : 13 March 2012

MSDS no. : 00072218

Date of issue : 13 March 2012

Version : 1.01

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
VYDRO FOAM	-	60-100	Not classified. See section 16 for the full text of the R-phrases declared above	Not classified. See Section 16 for the full text of the H statements declared above.	[A]

Type

[*] Substance

[A] Constituent

[B] Impurity

[C] Stabilising additive

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Eye contact** : Cutting of foam may produce dusts. Exposure to the dust may cause irritation to the eyes. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation persists.
- Inhalation** : Cutting of foam may produce dusts. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Cutting of foam may produce dusts. Wash with soap and water. Wash clothing before reuse.
- Ingestion** : Cutting of foam may produce dusts. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayedPotential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- 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** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically.
- Specific treatments** : Symptomatic treatment and supportive therapy as indicated.

Date of printing	: 13 March 2012	MSDS no.	: 00072218
Date of issue	: 13 March 2012	Version	: 1.01

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Waterspray, foam, powder, carbon dioxide.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : Combustible solid. Fire will produce dense black smoke.

Hazardous thermal decomposition products : Carbon and nitrogen oxides. Traces of hydrogen cyanide (HCN).

5.3 Advice for firefighters

Special precautions 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No special precautions required. Solid polyurethane, not classified as hazardous.

For emergency responders : No special precautions required. Solid polyurethane, not classified as hazardous.

6.2 Environmental precautions : None under normal conditions of handling and use.

6.3 Methods and materials for containment and cleaning up

Small spill : Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

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.

Date of printing : 13 March 2012

MSDS no. : 00072218

Date of issue : 13 March 2012

Version : 1.01

SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Do not store and transport with flammable/combustible materials etc.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parametersOccupational exposure limits

Product/ingredient name	Exposure limit values
DUST (RESPIRABLE DUST)	4 mg/m ³
DUST (TOTAL INHALABLE DUST)	10 mg/m ³

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels

No DELs available.

Predicted effect concentrations

No PECs available.

8.2 Exposure controls

Appropriate engineering controls : Cutting of foam may produce dusts. Use local exhaust ventilation : Control dust formation. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling foam, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.

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 dusts.

Skin protection

Hand protection : Wear gloves in accordance with EN 388 for protection against mechanical risks. Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US). Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers. Additional information can be found for instance at www.gisbau.de.

Date of printing	: 13 March 2012	MSDS no.	: 00072218
Date of issue	: 13 March 2012	Version	: 1.01

SECTION 8: Exposure controls/personal protection

- 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** : In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls** : None assigned.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Solid.
- Colour** : Beige to brown
- Odour** : None
- Odour threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Initial boiling point and boiling range** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Burning time** : Not available.
- Burning rate** : Not available.
- Upper/lower flammability or explosive limits** : Not available.
- Vapour pressure** : Not available.
- Vapour density** : Not available.
- Relative density** : Not available.
- Solubility(ies)**
- Water solubility** : Insoluble in water.
- Partition coefficient: n-octanol/water (LogK_{ow})** : Not available.
- Auto-ignition temperature** : >300°C
- Decomposition temperature** : >180°C
- Viscosity** : Not available.
- Explosive properties** : Not available.
- Oxidising properties** : Not available.

9.2 Other information

Date of printing	: 13 March 2012	MSDS no.	: 00072218
Date of issue	: 13 March 2012	Version	: 1.01

SECTION 10: Stability and reactivity

- 10.1 Reactivity : None under normal conditions of handling and use.
- 10.2 Chemical stability : The product is stable.
- 10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid : Keep away from sparks and open flames. - No smoking.
Keep away from hot surfaces. - No smoking.
- 10.5 Incompatible materials : None known during use and storage if used according to instructions.
- 10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Irritation/Corrosion

Conclusion/Summary

- | | | |
|-------------|--------------|---|
| Skin | : VYDRO FOAM | No known significant effects or critical hazards. |
| Eyes | : VYDRO FOAM | No known significant effects or critical hazards. |
| Respiratory | : VYDRO FOAM | No known significant effects or critical hazards. |

Sensitiser

Conclusion/Summary : No additional information.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

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.

Information on the likely routes of exposure : Not available.

Potential acute health effects

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

Symptoms related to the physical, chemical and toxicological characteristics

Date of printing : 13 March 2012

MSDS no. : 00072218

Date of issue : 13 March 2012

Version : 1.01

SECTION 11: Toxicological information

Inhalation : No specific data.

Ingestion : No specific data.

Skin contact : No specific data.

Eye contact : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure**Short term exposure**

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary : Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Other information : Not available.

SECTION 12: Ecological information**12.1 Toxicity**

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soilSoil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessmentPBT : PBT: No.
P: No. B: No. T: No.vPvB : vPvB: No.
vP: No. vB: No.**12.6 Other adverse effects** : No known significant effects or critical hazards.**12.7 Other ecological information**

Date of printing : 13 March 2012 MSDS no. : 00072218
 Date of issue : 13 March 2012 Version : 1.01

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

European waste catalogue (EWC)

Waste code	Waste designation
07 02 00	wastes from the MFSU of plastics, synthetic rubber and man-made fibres

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : Ensure that all packaging is disposed of safely.

SECTION 14: Transport information

	14.1 UN number	14.2 UN proper shipping name
ADR	Not regulated.	-
RID	Not regulated.	-
IMDG	Not regulated.	-
IATA	Not regulated.	-

	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards	14.6 Special precautions for user	Additional information
ADR	-	-	No.	Not available.	-
IMDG	-	-	No.	Not available.	-
IATA	-	-	No.	Not available.	-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

Date of printing : 13 March 2012 MSDS no. : 00072218
 Date of issue : 13 March 2012 Version : 1.01

SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Europe inventory : Not applicable.Article.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Not listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

National regulations

References : The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974.

International regulations

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed

15.2 Chemical Safety Assessment : Not available.

SECTION 16: Other information

☑ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements : Not applicable.

Full text of classifications [CLP/GHS] : Not applicable.

Full text of abbreviated R phrases : Not applicable.

Date of printing	: 13 March 2012	MSDS no.	: 00072218
Date of issue	: 13 March 2012	Version	: 1.01

SECTION 16: Other information

Full text of classifications : Not applicable.

[DSD/DPD]

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