PUR FOAM

0 INTRODUCTION

The European Regulation (ER) on Chemicals No. 1907/2006 (REACH) enforced on June 1st, 2007 does require Safety Data Sheet (SDS) for hazardous substances and preparations. Our polyurethane sheets and foams are articles under REACH and therefore, no Safety Data Sheet (SDS) is required.
Kingspan Insulation S.A.U. decides to provide our customers with the information for assuring the safe handling and use of polyurethane products through a **Safe Use Instruction Sheet**

1 IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

Product name: **PUR D35 foam/PUR D40 foam/PUR D70 foam/PUR D80 foam/PUR D100 foam/ PUR D130 foam**

Use of the product: Used mainly as a thermal insulation product.

Company name: **Kingspan Insulation S.A.U.**
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Rigid polyurethane foam (PUR).

3 HAZARDS IDENTIFICATION

Classification	Non classified product
Hazards for human health	No specific hazards are known. The risk due to dust (inert) inhalation from cutting and trimming operations has to be considered, as well as toxicity due to smoke from combustion.
Hazards for the environment	No specific hazards are known.

4 FIRST-AID MEASURES

Rigid polyurethane foam does not need any specific measures, however related to the dust that comes from the cutting and trimming processes, the following items can be considered:

Inhalation:	Move person to fresh air. Rinse mouth with water. Remove dust from nose. If effects occur, consult a physician.
Eye contact:	Flush eyes thoroughly with water for 15 minutes without closing them. Do not rub eyes. If effects occur, consult a physician, preferably an ophthalmologist. Consult medical personnel.
Skin contact:	Wash with water and soap to eliminate dust. Wash hands before eating and at the end of work. The product is not absorbed by the skin.
Ingestion:	If swallowed of the product, rinse mouth with water and consult a doctor. Never make ingest nothing to an unconscious person.

5 FIRE-FIGHTING MEASURES

Specific hazards:	Thermal decomposition products are carbon oxides, nitrogen oxides and hydrogen cyanide traces.
Extinguishing Media:	Water fog or fine spray. Carbon dioxide. Resistant foam, Dry dust.

Protection of firefighters:	Wear protective clothing of complete cover and self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear adequate personal protective equipment, see section 8.
Environmental precautions:	The product is environmentally inert.
Methods of cleaning up:	Place spare parts into containers. Collect dust with aspiration methods preferably. Avoid use of compressed air as cleaning method.

7 HANDLING AND STORAGE

Handling:	No specific measures are needed.
Storage:	Keep product protected from inclemency. Avoid direct sunlight exposition.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Limit values for professional exposure:	Polyurethane dust (breathable fraction). VLA-ED: 3 mg/m^3 , 8 hours.
Professional exposure control:	Assure pick up in origin that maintains dust concentration in the air below the limit of corresponding professional exposure.
Respiratory protection:	It is not necessary any respiratory protection in standard conditions that the product is used. If dust is present it is recommended a solid particles filter.
Hand protection:	Wear protective gloves against mechanical hazards.
Eye protection:	Wear protective goggles to avoid hazards during mechanizing processes.
Skin/Body protection:	Wear clean, long-sleeved, body-covering clothing. After work and before eating, drinking or smoking wash and clean yourself carefully with soap and water.

9 PHYSICAL AND CHEMICAL PROPERTIES

Nature:	Closed cell rigid foam.
Foam color:	Natural or light-green foam color.
pH:	Not applicable
Vapor pressure:	Not applicable
Density:	35 – 130 kg/m^3
Solubility:	Water insoluble
Dynamic viscosity:	Not applicable

10 STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Conditions to avoid:	Foam is degraded superficially by prolonged action of direct sunlight.
Materials to avoid:	Solvents (acetone, dimethylformamide...).
Hazardous decomposition products:	None under normal conditions of storage and use.

PUR FOAM

11 TOXICOLOGICAL INFORMATION

Assessment criteria:	Polyurethane foam is not considered as a hazardous product at toxicological level. Nevertheless, toxicity due to smoke from its combustion has to be considered, as well as irritant effect for the respiratory apparatus produced by the dust that can be produced during mechanizing process of the product.
Inhalation:	Dust is inert.

12 ECOLOGICAL INFORMATION

Mobility:	Product floats in the water.
Persistency/degradation:	Product is being degraded by prolonged action of direct sunlight.
Bioaccumulation:	Not bioaccumulable. No CFC's or HCFC's present.

13 DISPOSAL CONSIDERATIONS

Product disposal:	Treat product as inert. Dispose product under established and controlled conditions.
Packaging disposal:	Packaging may be treated separately from product.
Legislation:	Final disposal procedure must be in accordance with current legislation. Check with local and / or regional authorities. In the European Union, use the corresponding waste code from the European Waste Catalog CER.

14 TRANSPORT INFORMATION

Product is not classified for any mode of transportation.

15 REGULATORY INFORMATION

The product is not classified as dangerous and does not require labeling in accordance with Regulation (EC) 1272/2008 (CLP)

Hazard symbol	: None.
UE Risk phrases (R)	: None.
UE Safety phrases (S)	: None.

16 OTHER INFORMATION

Use and restrictions:	Use as thermal insulation product.

The information described within this document is based on our current knowledge, and it is our aim to describe the product only in relation to health, safety and environment. Therefore, the information shall not be interpreted as a warranty of no specific property of the product. Consequently, it corresponds to the user under its exclusive responsibility to decide if this information are appropriate and useful.

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