



SAFETY DATA SHEET

Reference: SP04.00221
Version/Revision:02
Revision date: 18-January-2017
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1. Identification of the product and of the company/undertaking:

Identification of the product:

RHYNO MASKING FOAM

Use of the product:

Foam tape for masking of apertures.

Company identification:

Company:

INDASA – Indústria de Abrasivos, S. A.

Address:

Zona Industrial de Aveiro, Lote 46

PO BOX 3005

3801-101 AVEIRO – PORTUGAL

Phone.: + 351 234 303 600 Fax: + 351 234 303 606

E-mail: indasa@indasa.pt

Emergency number:

+ 351 234 303 600

2. Hazards Identification

A. Foam:

Component contributing to hazard:	None
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B. Glue:

Component contributing to hazard:	None
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3. Composition/Information on Ingredients

The product contains the following ingredients which are classified according to 67/548/EEC and 99/45/EC:

Name	EC Nr. (ELINCS/EINECS)	CAS N°	Concentration range (%)	Classification
-	-	-	-	-

4. First Aid Measures

A. Foam:

Ingestion:	No adverse effects anticipated. LD50 (oral-rat) >5000 mg/kg.
Inhalation:	No adverse effects anticipated. Chronic inhalation of polyurethane dust can cause infection of the lungs, fibrosis and airway obstruction.
Skin Contact:	No adverse effects anticipated. Harmless.
Eye Contact:	Dust particles can cause mechanical irritation, irrigate with water to remove dust.

B. Glue:

Ingestion:	In case of accidental ingestion ask for medical advice.
Inhalation:	At room temperature: if it is used in normal conditions, it does. Not present problems for the health. At application temperature: remove the affected person to fresh air and ask for medical aid.



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Skin contact:	At room temperature: if it is used in normal conditions, it does not present problems for the health. At application temperature: wash skin with plenty of cold water and ask for medical aid. Do not try to remove the product from the skin. Ask for medical advises.
Eye contact:	For hot product: flush eyes with large amounts of water until Irritation subsides. If irritation persists, get medical attention.

5. Fire Fighting Measures

A. Foam:

Auto ignition Temperature:	370 - 427°C (ASTM D 1929).
Fire Hazard:	The product is a combustible material. The product is flammable and causes, when burning, intense heat and dense smoke.
Melting Point:	When heated the product can also melt and flammable decomposition products can be generated. Dependant on combustion conditions, carbon black, CO, CO ₂ , gaseous hydrocarbons and nitrogen containing compounds may be generated.
Suitable Extinguishing Media:	Water, CO ₂ , dry powder, liquid foam.
Human Protection in a Big Fire:	Fire-fighters should wear self-contained breathing apparatus.
Further Fire Information:	Terms such as "Flame Retardant", or "Contains Flame Retardant" sometimes used to describe improved flame resistance or fire ignitability in small scale tests do not accurately reflect hazards under real fire conditions.
Ventilation:	Provided there is adequate general ventilation, no special precautions are necessary for most handling and cutting operations. Local exhaust ventilation is however necessary for some operations, i.e. where dust is produced from buffing or flocking, or where fumes are produced in flame laminating, hotwire cutting and heat forming.
Storage:	Store away from heat sources (match, cigarette, open flame, electrical heaters, vehicle exhausts etc.). Full information is available in "Safe use and storage of cellular plastics, HS (G) 92, (ISBN 0 7176 1115 9). UV light may cause surface discoloration. This doesn't affect properties.
Eye Protection:	Wear protective goggles if a process generates dust.
Protective Clothing:	Not Required.
Other Measures:	No specific measures are needed at all for cured PU foam.

B. Glue:

Fire and explosion hazard data:	Low hazard. Material can form flammable mixtures or can burn only upon heating to temperatures at or above the flash point.
Static discharge:	Product can accumulate static charges that can cause an incendiary electrical discharge.
Suitable extinguishing media:	Foam, fire-extinguishing powder, CO ₂ .
Special fire fighting measures:	Use water haze or water spray to cool fire-exposed surfaces (Tank, drum, etc.) Use foam or fire-extinguishing powder as suitable extinguishing agents. The firefighting personnel requires respiratory and eyes protection.



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6. Accidental release measures

A. Foam:

Additional Ecological Data:	Particulates in fire extinguishing water are harmless. They are sieved out of the water and/or disintegrate in the water treatment plant. Living organisms in the water are not endangered.
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B. Glue:

Land spill:	Sweep up spilled material and place in suitable containers for recycling or disposal. In case of melt material let it cool down before removing. Consult an expert on disposal of recovered material and ensure. Conformity to local disposal regulations.
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7. Handling and Storage

A.Foam:

Labelling:	Not classed for conveyance or supply under the Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations 1996. The product is not classified as hazardous for any mode of transportation under current EU/UN regulations.
Measures:	No special measures need be taken for its transportation.

B.Glue:

Storing:	The product should be stored, under cover, in a clean well-ventilated area. Store and handle away from heat or ignition sources. The boxes should be closed when they are not used. Take precautions to avoid contaminations by other products or materials. Usual precautions against accumulation of electrostatic charges should be taken. Earth all equipment.
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8. Exposure Controls / Personal Protection

A. Foam:

Production Trim:	Trim PU foam and off cuts can be recycled by several methods If uncontaminated by extraneous matter.
Post Consumer Waste:	If recycling is not possible, scrap or post consumer waste can be disposed of at licensed landfill sites, or by incineration under controlled conditions. Advice on the preferred method should be sought from the Local Waste Regulation Authority.

B. Glue:

Engineering controls:	Local exhaust ventilation is recommended when vapours, mists or dusts can be released. Special precautions / protective equipment
Eye protection:	Wear goggles or safety glasses with side shields when filling hopper or pot.
Skin protection:	For molten material, use any type of rubber thermal insulating gloves and other clothing, such as sleeve protectors, as necessary to protect thermal burns when filling hopper or pot.
Respiratory protection:	None required where adequate ventilation conditions exist.
General:	Eyes wash fountain and emergency showers are recommended.



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9. Physical and Chemical Properties

A. Foam:

Product name (s)	Polyurethane Foam, PU Foam, Polyester Foam, Polyether Foam.
Composition:	Polyurethane Polymer
Chemical Description:	Polyaddition product of polyester/polyether polyol, Polyaddition product of polyester/polyether polyol, isocyanate and water which controlled and modified by catalysts, stabilisers and other substances, react to form cellular foam.
Appearance:	Open celled flexible foam.
Physical Form and Colour	Solid, voluminous material, more or less elastic. May be any colour.
Specific Gravity:	0.01 - 0.60 g/cm ³ .
Solubility in Water:	Insoluble.
Odour:	No or mild odour
Flash Point:	317-370°C.
Thermal Energy:	28,000 KJ/ kg.
Definition:	Flexible polyurethanes are polymers and defined in data systems, i.e. IMDS, as material, not as chemical compounds.
Manufacture:	At the manufacturing stage a series of raw materials are used, mainly polyols, isocyanates and water, but these are fully reactive and become the PU matrix of the polymer. In addition, other essential additives of different characteristics are used in lesser concentrations, and some of these may also chemically bond to the PU matrix. Depending on the grade, the PU foam may also contain any of the following substances in unnotifiable concentration. Flame retardants Plasticizers Silicone and /or organic surfactants Stannous octoate catalyst, tin oxide Organic and/or inorganic pigments No detailed breakdown in terms of percentage can be done for these ingredients as most are reactive and chemically bonded to the PU matrix, or disappear gradually during the 24 hour curing stage.

B. Glue:

Product name:	Hot-melt
Colour/Base:	Transparent/ Block-polymer
Smell:	Odourless adhesive at an ambience temperature.
Physical state:	Solid
Odour at room temperature:	very low at room temperature
Base:	thermoplastic copolymer (styrene based)
Density at 15 °C:	approx. 1 gr/cc
Viscosity (cps):	6000 (180° c)
Solubility in water at 20 °C	Insoluble.
Flash point:	min. 250 °C
PH:	Not applicable

10. Stability and Reactivity

A. Foam:

Stability and Reactivity:	Stable between -40 °C and +120°C. It is resistant to light, oils and solvents.
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B. Glue:

Stability:	Stable.
Conditions to avoid:	Heat sources and flames.



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Incompatibility:	Strong oxidizing agents.
Hazardous decomposition / / Combustion products:	It could be formed CO in case of incomplete combustion.

11. Toxicological Information

A. Foam:

Microbiological Contamination:	PUR foam is sterile when manufactured.
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B. Glue:

This product consists of a blend obtained by fusion of thermoplastic products and if it is used in normal conditions, it does not present problems for the health. It fulfils the code of Federal Regulations Nr 21 of the Food and Drug Administration (FDA), Section 175.105 "Adhesives".

12. Ecological Information

A. Foam:

Biodegradability:	Dependant on type, the product degrades slowly. Decomposition products are not harmful to the environment.
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B. Glue:

Non biodegradable product. Avoid releasing it in the environment.

13. Disposal Considerations

A. Foam:

Legislation:	EU environmental legislation and directives impose no special requirements for its disposal.
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B. Glue:

Remove according to local authority recommendations, e.g. convey to a licensed incinerator.

14. Transport Information

The product doesn't need any special mode of transportation, or it doesn't need any special measures to be taken for its transportation.

15. Regulatory Information

Classification, packaging and labelling according to the EEC directives. Classification/
Symbol: Non required

According the directives of the EEC, the product does not require a specific classification or labelling.



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16. Other Information

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.

Issued by: Maria Manuel Santos/ INDASA Pt

Contact: indasa@indasa.pt