



HEALTH AND SAFETY PRODUCT INFORMATION

Product: Easy-fill

Date: 1st May 2009

Product code:472989

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1.

Name and Address

INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester Essex
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2.

Composition/Information on ingredients

Chemical characterisation

Description

Polyester resin with filling material and styrene

Dangerous components

CAS No.	EC No	content unit	danger symbol	R phrases
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Identification according to EEC Directive
Classification

100-42-5 R36/38 STYRENE R10 Xn, R20 Xi, R36/38	202-851-5	13-18 %	Xn	R10, R20,
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14807-96-6 TALCUM (FREE OF ASBESTOS FIBRES)	238-877-9	30-60 %		
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13463-67-7 TITANIUM DIOXIDE	236-675-5	< 10 %		
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Full text of R-Phrases: see under section 16.

3.

Hazards identification

Flammable.

Harmful by inhalation.

Irritating to eyes and skin.

Overexposure may lead to nausea and headache.

4.

First-Aid measures

- + First aid measures / general indications
- + Pay attention to self-protection.
- + Remove contaminated clothes without delay.
- + In case of feeling unwell, seek medical advice.
- + First Aid measures / inhalation
- + Remove concerned person out of danger area
- + Provide for fresh air.
- + Consult a doctor immediately.
- + Irregular breathing/no breathing: artificial respiration
- + In case of unconsciousness place and transport casualty in stable position (lying sideways).
- + First Aid measures / skin contact
- + Remove mechanically and wash off with plenty of soap and water.
- + Do not use solvent.
- + Cleaned skin should be rubbed carefully with ointment.
- + If there is skin irritation, consult a doctor.
- + First Aid measures / eye contact
- + Rinse immediately with plenty of water with eyelid open (for at least 15 minutes), then send for a doctor immediately.
- + First Aid measures / ingestion
- + Do not induce vomiting. Seek immediately for medical attention.

5.

Fire-Fighting measures

- Appropriate extinguishing media
Foam, carbon dioxide, powder (dry chemical)
- + Water fog
 - + Extinguishing media that must not be used for safety reasons
 - + Water beam
 - + Special hazards arising from the product itself, from combustion products or from resulting gases
 - + In the event of fire, the following may be used among others:
 - + Carbon oxides
-
- + Special protective equipment for fire-fighters
 - + Do not inhale combustion gases.
 - + Breathing equipment with independent air supply is necessary.
 - + Additional information
 - + Cool threatened containers with water in case of fire.
 - + Water, contaminated with extinguishing media, may not enter the sewer, collect separately.
 - + Dispose fire remainder and contaminated water in accordance with local authority provisions.

6.

Accident release measures

- + Personal precautions
 - + Observe safety regulations (see section 7 and section 8).
 - + Keep away from sources of ignition.
 - + Keep away persons not involved.
 - + Environmental precautions
 - + Do not allow to enter the ground, natural waters or the drain.
 - + If rivers, lakes or waste water lines are contaminated, notify the responsible authorities in accordance with the local laws.
- Methods for cleaning up/taking up
Remove by mechanical means.
- + Collect remainder with non-combustible, liquid binding material (e.g. sand, vermiculite).
- Notice section 8.
Dispose of waste material in accordance with the regulations, as described under section 13.

7.

Handling and storage

Handling

- + Advice on safe handling
- + Avoid contact with eyes, skin and clothing.
- + Avoid breathing vapours
- + Ensure that there is adequate ventilation in the working area, local exhaust recommended.
- + Advice on protection against fire and explosion
- + Formation of explosive, highly inflammable vapour-air mixtures are possible.

Keep away from sources of ignition - no smoking.

Storage

- + Always keep in original container.
- Store containers tightly closed, in a fresh, well-ventilated area
Do not expose to moisture and light.
Keep away from sources of ignition and heat. Do not smoke.
Keep away from food, drink and animal feeding stuffs

8.

Exposure controls/personal protection

Components for which limit values for exposure at the place of work exist:

Identification according to EEC Directive

CAS No EC No limit value

STYRENE

100-42-5 202-851-5 AGW 20 ml/m³

AGW 86 mg/m³

No danger of the developmental of toxic effects as long as AGW and BGW are not exceeded.

TALCUM (FREE OF ASBESTOS FIBRES)

14807-96-6 238-877-9 MAK-Grenzwert 2 mg/m³ A

No danger of the developmental of toxic effects as long as AGW and BGW are not exceeded.

TITANIUM DIOXIDE

13463-67-7 236-675-5 MAK-Grenzwert 6 mg/m³ A *)

MAK-Grenzwert 3 mg/m³ A *)

*) General threshold limit value for dust, TRGS 900 No. 2.4

Personal protection

Respiratory protection

Provide good ventilation.

Respiratory protection is required when limit values are exceeded.

Use self contained air breathing equipment or filter respirator (for short time use only)

Recommended: filter type A, colour brown.

Hand protection

Use skin protective barrier cream

Use protective gloves.

Recommended:

Fluor rubber

The resistance of the protective gloves to chemicals should be ascertained with the respective supplier.

Specific conditions at workplace should be taken to consideration.

Eye protection

Wear safety glasses in case risk to eye contact exists.

Hygiene measures

+ Apply a suitable skin protective agent before work.

Do not eat, drink or smoke during work.

Wash hands before breaks and when ending work.
Remove contaminated clothes immediately.
Store working clothes separately.

9.

Physical and chemical properties

Appearance
Form : pasty
Colour : beige
Odour : like styrene
Security-relevant data
Boiling temperature
Reference value From To
ca. 145 °C
Method: (styrene)
Flash point: ca. 31 °C
Method : DIN 53213
Ignition temperature : ca. 490 °C
Method : (styrene)
Lower explosion limit: 1.1 % vol
Method : (styrene)
Upper explosion limit: 8 % vol
Method : (styrene)
Vapour pressure: 50°C 35 hPa
Method : (styrene)
Density at: 20°C ca. 1.6 g/cm³
Method :
Solubility in water:
at 20°C 0.30 g/l
Method : (styrene)

10.

Stability and reactivity

Dangerous reactions
None if properly stored and used.
Hazardous decomposition products
None if properly stored and used.
Thermal decomposition
None if properly stored and used.
Additional information (10)
Avoid excessive heating.
Pay attention to the exothermic reaction with peroxides

11.

Toxicological information

This product contains styrene. Styrene irritates the eyes, the skin and the respiratory system, it is harmful if inhaled.
Literature values on styrene:
LD 50, oral, rat: 5000 mg/kg
LC 50, inhalation, 4h, rat: 11,8 mg/kg

12.

Ecological information

Do not let enter into water or sewer.
Literature data on styrene
Acute bacterial toxicity: EC 00 = 72 mg/l Test duration: 16 h 1)
Acute fish toxicity: LC 50 = 17 mg/l
LC 50 = 66 mg/l
Test species = Golden orfe (*Leuciscus idus*) Test duration: 48 h
Acute Daphnia toxicity: EC 50 = 182 mg/l Test duration: 24 h 3)

13.

Disposal considerations
Disposal / product In accordance with local authority provisions, take to an appropriate incineration plant, or dispose in solid form at a waste collection point. Waste code no. / name of waste 07 02 08

14.

Transport information
Land transport / lorry / international / comments UN-No.: 1866 ADR/RID-GGVS/E: 3/III Valid for polyesterputty of 5 L or more per innerpackaging without hardener Inland waterway transport / comments ADN/ADNR non communicated Sea transport / comments UN-No.: 1866 Resin solution IMDG/GGVSee: 3/III EMS: F-E, S-E Marine pollutant: Air transport / comments UN-No.: 1866 Resin solution ICAO/IATA-DGR: 3/III + Remark: ADR/IMDG/IATA-DGR Transport + Polyester resin kit (UN 3269) consist of putty, class 3, packing group III and BPO-hardener (organic peroxide). + Additional information Inflammable, flash point +31°C Avoid thermal influence Keep away from food and drink.

15.

Regulatory information
Labelling Contains: STYRENE Symbol and indication of danger Xn Harmful R phrases R 10 Flammable R 20 Harmful by inhalation R 36/38 Irritating to eyes and skin S phrases S 02 Keep out of reach of children S 23 Do not breathe vapour S 51 Use only in well ventilated areas. S 38 In case of insufficient ventilation, wear suitable, respiratory equipment S 46 If swallowed, seek medical advice immediately and show this container or label. National regulations (D) The legal regulations for limited employment, e.g. the law for the protection of youth work and the decree for the legal protection of motherhood, have to be observed. TA-Luft (Styrene): Class II Class of danger to water (WGK): 2 (own assessment, not checked)

16.

Other information		
16. Other information		
Relevant R phrases		
R 10 Flammable		
R 20 Harmful by inhalation		
R 36/38 Irritating to eyes and skin		
Sections where no data is entered indicate that no data is known, or no experience is available. This does not justify the assumption that no danger can arise from the relevant point under consideration.		
Creation date	01.05.09	Production Management
Replace sheet of	05.01.09	PHILL BLOWERS
Text of R-Statements listed in ingredients		
This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.		