

Safety Data Sheet (91/155/EEC)

Material: 60008102

ELASTOSIL® A33 IVORY CARTRIDGE

Version: 1.5 (GB)

Date of print: 01.09.2004

Date of last alteration: 24.06.2004

1 Identification of the substance/preparation and company**1.1 Name of substance/preparation**

Commercial product name: ELASTOSIL® A33 IVORY CARTRIDGE

1.2 Use of substance / preparation:Industrial.
Raw material for: elastomer products .**1.3 Company name**Manufacturer/distributor: DRAWIN Vertriebs-GmbH
Street/POB-No.: Rudolf-Diesel-Straße 15
State/postal code/city: D 85521 Ottobrunn
Telephone: +4989608690
Telefax: +498960869250

	Telefax	Telephone
Information about the Safety Data Sheet:	+49/8677/83-5590	+49/(0) 8677/83-4888

1.4 Emergency telephone number

		Emergency Number
Emergency Information (german):	Works Fire Brigade	+49/(0) 8677/83-2222
Emergency Information (internat.):	National Response Center	+49/(0) 621/60-43333

2 Composition/information on ingredients**2.1 Chemical characterization (preparation):**

Chemical characteristics
Polydimethylsiloxane + fillers + auxiliary products + aminosilane cross-linker

2.2 Hazardous ingredients:

EINECS / ELINCS-No.	CAS No.	Material	Content %		Warning Label (EU)	
			from	until	Symbol	R-Phrases
240-040-8	15901-40-3	N,N',N''-Tricyclohexyl-1-methylsilanetriamine	>1,0	<5,0	C	21/22-35

R-Phrase	Description
R21/22 R35	Harmful in contact with skin and if swallowed. Causes severe burns.

3 Hazards identification**3.1 Classification:**

R-Phrase	Description
R36/38	Irritating to eyes and skin.

4 First-aid measures**4.1 General information:**

-

4.2 After inhalation:

Provide fresh air. In cases of sickness seek medical advice (show label if possible).

4.3 After contact with the skin:

Immediately rinse with plenty of soap and water. In cases of sickness seek medical advice (show label if possible).

4.4 After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice.

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4.5 After swallowing:

If conscious, give several small portions of water to drink. Seek medical advice immediately and produce the label or packaging.

5 Fire-fighting measures**5.1 Suitable extinguishing media:**

water spray , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand .

5.2 Extinguishing media which must not be used for safety reasons:

water jet .

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Hazardous combustion products: nitrous gases .

5.4 Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air.

6 Accidental release measures**6.1 Personal precautions:**

Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours.

6.2 Environmental precautions:

Prevent material from entering sewers or surface waters. Retain contaminated water/extinguishing water.

6.3 Methods for cleaning up:

Do not flush away with water. Take up mechanically and dispose of according to local/state/federal regulations. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner.

7 Handling and storage**7.1 Handling****Precautions for safe handling:**

Ensure adequate ventilation.

Precautions against fire and explosion:

No special precautions against fire and explosion required. Cool endangered containers with water.

7.2 Storage**Conditions for storage rooms and vessels:**

none known

Advice for storage of incompatible materials:

not applicable

Further information for storage:

Protect against moisture. Keep container tightly closed and store in a cool, well ventilated place.

8 Exposure controls and personal protection equipment**8.1 Exposure limits****Maximum airborne concentrations at the workplace**

CAS No.	Material	Type	mg/m ³	ppm	Dust fract.	Fibre/m ³
108-91-8	Cyclohexylamine	TLV GB	41,0	10,0		

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8.2 Exposure limited and controlled**8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Avoid contact with eyes and skin. Do not breathe vapours. Do not eat, drink or smoke when handling.

Personal protection equipment**Respiratory protection:**

In case of long or strong exposure: gas mask filter ABEK .

Hand protection:

protective gloves made of fluorinated rubber . Gloves suitable for up to 60 minutes' use.

Eye protection:

protective goggles .

8.2.2 Exposure to the environment limited and controlled:

Prevent material from introduction into surface water and into soil.

9 Physical and chemical properties**9.1 General information**

Physical state / form.....: paste
Colour.....: cream
Odour.....: maladorous

9.2 Important information about the protection of health, safety and the environment**Method
(67/548/EEC) :**

Melting point / melting range.....: not applicable
Boiling point / boiling range.....: not applicable
Flash point.....: > 200 °C
Ignition temperature: approx. 440 °C (DIN 51794)
Lower explosion limit (LEL).....: not applicable
Upper explosion limit (UEL).....: not applicable
Vapour pressure.....: not applicable
Density.....: approx. 1,15 g/cm³ at 25 °C (DIN 51757)
Water solubility / miscibility.....: virtually insoluble at 20 °C
pH-Value.....: not applicable
Viscosity (dynamic).....: not applicable

9.3 Other information

Re 9.2 pH Value: Product displays basic reaction with water.

Thermal decomposition.....: not applicable

10 Stability and reactivity**10.0 General information:**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.1 Conditions to avoid:

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10.2 Materials to avoid:

Reacts with: water and acids .

10.3 Hazardous decomposition products:

Under the effect of humidity, water and protic agents: cyclohexylamine . Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

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11 Toxicological information**11.0 General information:**

After cross-linking and removal of volatile substances product is not mutagenic nor cancerogenic nor teratogenic and is not hazardous to men and ecology. Note indications of danger and safety advice (R- and S-phrases) in section 15.

11.1 Toxicological tests**Further information:**

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11.3 Further toxicological information:

Assessed on the basis of constituents: Irritating to eyes and skin. In contact with dampness product separates a small quantity of cyclohexylamine (108-91-8) which irritates skin, mucous membranes and respiratory system.

12 Ecological information**12.1 Ecotoxicity**

According to past experience toxicity to fish is improbable.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

12.2 Mobility

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12.3 Persistence and degradability**Biodegradation / further information:**

Biologically not degradable.

Further information:

-

12.4 Bio-accumulation potential**Further information:**

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12.5 Other harmful effects

-

12.6 Further ecological information**General information:**

In cross-linked state not soluble in water. Easily separable from water by filtration.

13 Disposal considerations**13.1 Material****Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

13.2 Uncleaned packaging**Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

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14 Transport information**14.1 Land transport GGVSE/ADR and RID****Road ADR:**

Valuation.....: Not regulated for transport

Railway RID:

Valuation.....: Not regulated for transport

14.2 Inland navigation GGVBinsch/ADNR**14.3 Transport by sea GGVSee/IMDG-Code**

Valuation.....: Not regulated for transport

14.4 Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

14.5 Transport/further information**Postal and courier service:**

German postal dispatch.....: 1000 ccm/g per container / 4000 ccm/g per package

Informing dept. ref. to heading 14. Transport information:

Department MW-G (Gefahrgut-Service), Telefax: +49/(0) 8677/83-5589, Telephone: +49/(0) 8677/83-4950

15 Regulatory information**15.1 Warning Label (EU)**

	Xi	Irritant
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R-Phrase	Description
R36/38	Irritating to eyes and skin.

S-Phrase	Description
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

15.2 National regulations:

SI 2002/1689:	CHIP Regulations 2002
SI 2002/2677:	COSHH Regulations 2002
SI 1999/3242:	Management of Health & Safety at Work Regulations 1999
	Health & Safety at Work Act 1974
SI 1993/1643:	Environmental Protection Act 1993 & Subsidiary Regulations.
	Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

16 Other information**16.1 Material**

The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

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16.2 Further information:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version.

n.a. = not applicable	n.s. = not subject to
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Details of international registration status

Listed on the following inventories:

HSNO
IECSC
EINECS
TSCA
ENCS
ECL
DSL
AICS