

Elan-tech® W 341 FAST

Version 2.0 SDB_GB

Revision Date 27.08.2013

Print Date 05.09.2013

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Elan-tech® W 341 FAST

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

Use of the Substance/Mixture : Epoxy Hardener

1.3 Details of the supplier of the safety data sheet

Company : ELANTAS Italia S.r.l.
Strada Antolini 1
43044 Collecchio
Italy
Telephone : +3907363081
Telefax : +390736402746
E-mail address : msds.elantas.italia@altana.com

1.4 Emergency telephone number

+39 (0)736 3081 (8-17 h)

2. Hazards identification

2.1 Classification of the substance or mixture



Classification (67/548/EEC, 1999/45/EC)

Corrosive	R35: Causes severe burns.
Harmful	R22: Harmful if swallowed.
Sensitising	R43: May cause sensitisation by skin contact.
Dangerous for the environment	R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms :  

Corrosive Dangerous for the environment

R-phrases) : R22 Harmful if swallowed.
R35 Causes severe burns.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause

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			Aquatic Chronic 1; H410	
salicylic acid	69-72-7 200-712-3 01- 2119472428- 31	Xn; R22 Xi; R37/38 R41	Acute Tox. 4; H302 Eye Irrit. 2; H319	>= 7 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : Do not wash off with:
Cleansing agents, acidic.
Before washing use a dry brush to remove dust from skin.
Cool melted product on skin with plenty of water. Do not remove solidified product.
- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Water
Dry powder
Carbon dioxide (CO₂)
Foam

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Burning produces irritant fumes.
Cool closed containers exposed to fire with water spray.
Hazardous decomposition products formed under fire conditions.

5.3 Advice for firefighters

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Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Protect from moisture.

Advice on common storage : No materials to be especially mentioned.

Other data : No decomposition if stored and applied as directed.

8. Exposure controls/personal protection

8.1 Control parameters

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Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Recommended minimum velocity for exhaust ventilation

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

Environmental exposure controls

General advice : If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : light yellow
Odour : ammoniacal
Flash point : 150 °C
Density : 0,94 g/cm³
at 25 °C
Viscosity, dynamic : 45 - 75 mPa.s
at 25 °C

10. Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions., No hazards to be specially mentioned.

10.4 Conditions to avoid

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Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : Strong acids
Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : nitrogen oxides (NOx)
Carbon monoxide

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : no data available

Skin corrosion/irritation

Skin irritation : no data available

Serious eye damage/eye irritation

Eye irritation : no data available

Respiratory or skin sensitisation

Sensitisation : no data available

Target Organ Systemic Toxicant - Repeated exposure

: no data available

Further information : no data available

12. Ecological information

12.1 Toxicity

Toxicity to fish :
no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

12.2 Persistence and degradability

Biodegradability : no data available

12.3 Bioaccumulative potential

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Bioaccumulation : no data available

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

Additional ecological information : no data available

13. Disposal considerations

13.1 Waste treatment methods

Product : In accordance with local and national regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

Land transport

ADR / RID:

Class: 8

Packaging group: III

UN number: 2735

ADR/RID-Labels: 8

Description of the goods: AMINES, LIQUID, CORROSIVE, N.O.S. (Cyclohexanamine, 4,4'-methylenebis)
ENVIRONMENTALLY HAZARDOUS

Sea transport

IMDG:

Class: 8

Packaging group: III

UN number: 2735

Labels: 8

EmS: F-A S-B

Description of the goods: AMINES, LIQUID, CORROSIVE, N.O.S. (Cyclohexanamine, 4,4'-methylenebis)
Marine Pollutant

Air transport

IATA-DGR :

Class: 8

Packaging group: III

UN/ID No.: UN 2735

Labels: 8

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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15. Regulatory information

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

Major Accident Hazard : 96/82/EC Update: 2003
Legislation Dangerous for the environment
9b
Quantity 1: 200 t
Quantity 2: 500 t

15.2 Chemical Safety Assessment

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52	Harmful to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.