

Safety data sheet in accordance with 2001/58/EC
AZ 100 Remover (DE)

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Substance key: SXR065436
Version : 2 - 5 / EURevision Date: 29.05.2003
Date of printing : 17.11.2004**1. Identification of the substance/preparation and company****Trade name****AZ 100 Remover (DE)****Material number:** 100579**Use of the substance/preparation.**Industry sector : Electronic industry
Type of use : Intermediate for electronic industry**Identification of the company**

Clariant AZ (Deutschland) AG

Am Unisys-Park 1
65840 Sulzbach
Telephone no. : +49 6196 757-6100**Information about the substance/preparation**Product Safety
+49(0)6103-8079450 or +49(0)6126-227340**Emergency telephone number :** +49 69 305 6418**2. Composition/information on ingredients****Chemical characterization**

A preparation of organic solvents.

Hazardous ingredients1-Aminopropan-2-ol
Concentration : < 30 %
CAS number : 78-96-6
EINECS number : 201-162-7
Hazard symbols C
R phrases 34Dipropylene glycol methyl ether
Concentration : > 70 %
CAS number : 34590-94-8
EINECS number : 252-104-2**3. Hazards identification**

Causes burns.

4. First aid measures

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Remove soiled or soaked clothing immediately
If someone exposed to the product feels unwell, contact a doctor and show this safety data sheet.
Adhere to personal protective measures when giving first aid

After inhalation

Remove the casualty into fresh air and keep him calm.
Call in a physician immediately and show him the Safety Data Sheet.

After contact with skin

Call in a physician immediately and show him the Safety Data Sheet.

After contact with eyes

Rinse immediately with gently running water for 15 minutes, maintaining eyelids open. Consult at once an ophthalmologist or a physician.

After ingestion

Do not induce vomiting.
Call in a physician immediately and show him the Safety Data Sheet.
Let plenty of water be drunk in small gulps.

Advice to doctor**Treatment**

Treat symptomatically.

5. Fire-fighting measures**Suitable extinguishing media**

water spray jet
foam
dry powder
carbon dioxide

Special hazards from the substance itself, its combustion products or from its vapours

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)
Nitrous gases (NO_x)

Special protective equipment for firefighting

Well closed full protective clothing (coat and pants) including helmet.
Use self-contained breathing apparatus

Further information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures**Personal precautions**

See: Exposure controls and personal protection.

Environmental precautions

Do not allow entry to drains, water courses or soil

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Methods for cleaning up/taking up

Pick up with liquid binding materials and if necessary fill in containers capable of being locked.
Containers in which spilt substance has been collected must be adequately labelled
Dispose of absorbed material in accordance with the regulations.
Clean contaminated floors and objects thoroughly, observing environmental regulations

Additional information

Information regarding Safe handling, see chapter 7.
Information regarding personal protective measures see, chapter 8.
Information regarding Waste Disposal, see chapter 13.

7. Handling and storage

Advice on safe handling

Ensure adequate ventilation.
When handling heated product, vapours must be vacuumed up.

Advice on protection against fire and explosion

Development of explosive gas mixtures possible, therefore the working temperature should be kept at least 15 °C below the flash point of solvent mixtures, otherwise explosion protective measures should be taken.

Requirements for storage rooms and vessels

Keep only in the original container

Advice on storage compatibility

Do not store or transport together with foodstuffs

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place

8. Exposure controls/personal protection

Additional advice on system design

See chapter 7; no measures exceeding the ones mentioned are necessary.

Ingredients with occupational exposure limits to be monitored

(2-METHOXYMETHYLETHOXY)-PROPANOL

CAS number : 34590-94-8

EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

EU Exposure Limit Values Data

Revision : 12 1996

Time Weighted Average (TWA):

Values:	308 mg/m ³	50 ppm
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(2-METHOXYMETHYLETHOXY)-PROPANOL

CAS number : 34590-94-8

EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

EU Exposure Limit Values Data

Revision : 12 1996

Skin Designation:

can be absorbed through the skin

General protective measures

Do not inhale vapours

Avoid contact with eyes and skin

Observe the usual precautions for handling chemicals.

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Keep away from foodstuffs and beverages.

Wash hands before breaks and after work.

Use barrier skin cream.

Respiratory protection :

Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure

Hand protection :

For short-term exposure (splash protection):

Nitrile rubber gloves.

Minimum breakthrough time / gloves : > 10 min

Minimum thickness / gloves > 0,4 mm

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Eye protection :

tightly fitting safety glasses

Body protection :

protective clothing

9. Physical and chemical properties

Form :

Liquid

Colour :

slightly yellowish

Odour :

slightly ammonia-like

Boiling range :

159 - 194 °C

Flash point :

81 °C

Method : DIN 51758 (closed cup)

Ignition temperature :

not determined

Self-ignition temperature :

not determined

Lower explosion limit :

not determined

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Upper explosion limit :	not determined
Vapour pressure :	approx. 1 mbar (20 °C)
Vapour pressure :	approx. 40 mbar (80 °C)
Density :	approx. 1 g/cm ³ (20 °C)
Solubility in water :	miscible in all proportions
pH value :	approx. 11,6 (20 °C, 100 g/l)
Octanol/water partition coefficient (log Pow) :	not reasonable
Viscosity (dynamic) :	approx. 6,7 - 7,7 mPa.s

Further information

Corrosive effects on Aluminum and Zink.

10. Stability and reactivity

Thermal decomposition : No decomposition if used as prescribed.

Hazardous reactions

Reactions with acids.
Reactions with oxidising agents.

Hazardous decomposition products

when handled and stored appropriately no dangerous decomposition products are known

11. Toxicological information

Irritant effect on skin : corrosive
Method : OECD 404

Remarks

Causes burns

12. Ecological information

Biodegradability : > 70 %
inherently biodegradable
Method : OECD 302 B

Bacteria toxicity : EC0 approx. 2.500 mg/l

Remarks

Details for used product (with detached AZ Photoresist-Layer).

13. Disposal considerations

Product

Incineration in suitable incineration plant, observing local authority regulations

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Packaging that cannot be cleaned should be disposed of as product waste

14. Transport information**ADR**

Proper shipping name: Amines, liquid, corrosive, n.o.s.
Class: 8
Packing group: II
UN no. UN 2735
Primary risk: 8
Hazard no. : 80
Remarks Shipment permitted
Hazard inducer(s): Isopropanolamine

ADNR

Proper shipping name: Amines, liquid, corrosive, n.o.s.
Class: 8
Packing group: II
UN no. UN 2735
Primary risk: 8
Remarks Shipment permitted
Hazard inducer(s): Isopropanolamine

RID

Proper shipping name: Amines, liquid, corrosive, n.o.s.
Class: 8
Packing group: II
UN no. UN 2735
Primary risk: 8
Hazard no. : 80
Remarks Shipment permitted
Hazard inducer(s): Isopropanolamine

IATA

Proper shipping name: Amines, liquid, corrosive, n.o.s.
Class: 8
Packing group: II
UN/ID number: UN 2735
Primary risk: 8
Remarks Shipment permitted
Hazard inducer(s): Isopropanolamine

IMDG

Proper shipping name: Amines, liquid, corrosive, n.o.s.
Class: 8
Packing group: II
UN no. UN 2735
Primary risk: 8
Remarks Shipment permitted

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Hazard inducer(s): Isopropanolamine
EmS : 8-05

15. Regulatory information

Labelling in accordance with EC-Directives

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Hazard symbols

C Corrosive

Hazardous component(s) to be indicated on label

1-Aminopropan-2-ol
Dipropylene glycol methyl ether

R phrases

34 Causes burns.

S phrases

23.3 Do not breathe vapour.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other information

Observe national and local legal requirements

Text of the R-phrases which are allocated to the ingredients/components mentioned in section 2 of this Safety Data Sheet.

34 Causes burns.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.