

Safety Data Sheet ADESILEX VZ

P O L Y M A X L T D
Building 90, SEME, Budds Lane
Bordon, Hampshire, GU35 0JE, UK
Tel: + 44 (0) 1420 474123
Fax: + 44 (0) 1420 487816
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Safety Data Sheet dated 24/3/2010, version 7

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: ADESILEX VZ

Product type and use: Solvent-borne neoprene adhesive.

Supplier:

MAPEI S.p.A. -Via Cafiero 22 - Milan -ITALY

Emergency telephone number of the company and/or of an authorised advisory centre:

MAPEI S.p.A. - Tel. +(39)02376731

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029

Competent person responsible for the safety data sheet:

sicurezza@mapei.it

2. HAZARDS IDENTIFICATION

Properties / Symbols:

-  F Highly flammable
-  Xi Irritant
-  N Dangerous for the environment

R Phrases:

- R11 Highly flammable.
- R36/38 Irritating to eyes and skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

The product easily catches fire if it is exposed to an ignition source.

If brought into contact with the eyes, the product causes irritation that may last for over 24 hours, and if brought into contact with the skin it causes significant inflammation with erythema, scabs, and oedema.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

40% - 50% solvent naphtha (petroleum), hydrotreated light naphthenic (*)

N. EEC/67/548: 649-341-00-2 CAS: 92062-15-2 EC: 295-529-9

F,Xn,Xi,N; R51-53-65-67-11-38

12.5% - 15% ethyl acetate

N. EEC/67/548: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4

F,Xi; R11-36-66-67

12.5% - 15% acetone

N. EEC/67/548: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2

F,Xi; R11-36-66-67

0.5% - 1% Rosin

N. EEC/67/548: 650-015-00-7 CAS: 8052-10-6 EC: 232-484-6

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Xi; R43

0.25% - 0.5% Reaction product: bisphenol-A-(epichlorhydrin)
Epoxy resin (number average molecular weight = 700)
N. EEC/67/548: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5
Xi,N; R36/38-43-51-53

(*) NP (see Par.16)

4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief.

OBTAIN A MEDICAL EXAMINATION.

Swallowing:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

A suspension of activated charcoal in water, or petroleum jelly may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the premises contaminated and made to rest in a well ventilated area. Should the patient feel unwell, consult a physician.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

In case of fire, use CO₂, chemical powders or foam.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

The original ingredients or unidentified toxic and/or irritant compounds may be present in the combustion fumes.

Avoid inhaling the fumes.

Protective equipment:

Use protection for the airways.

Cool the containers exposed to the fire with water.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

Environmental measures:

Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

None in particular.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

Rapidly recover the product, wearing protective clothing.

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for disposal. The product might, where appropriate, be absorbed by inert material.

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After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
Do not eat or drink while working.
Do not smoke while working.

Incompatible materials:

None in particular.

Storage conditions:

Always keep the containers tightly closed.
Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from flame and sparks. Avoid accumulating electrostatic charge.

Instructions as regards storage premises:

Cool and adequately ventilated.
Safety electric system.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Use adequate protective respiratory equipment, when above TLV.
In case of insufficient ventilation use mask with AK2 filters (EN 141).

Protection for hands:

Use protective rubber gloves.
The use of LLPDE (0,06 mm), nitrile (0,4) or butyl (0,5 mm) gloves is suggested.
Latex gloves are not recommended.

Eye protection:

Safety goggles.

Protection for skin:

No special precaution must be adopted for normal use.
Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Exposure limit value of single components:

ethyl acetate

VLE 8h: SUISSE (VME) 400 ppm - 1400 mg/m³ VLE short: SUISSE (VLE) 800 ppm - 2800 mg/m³ TLV TWA:: 400 ppm - 1441,31 mg/m³

acetone

VLE 8h: 1210 mg/m³ - 500 ppm/SUISSE (VME) 500ppm-1200mg/m³ VLE short: SUISSE (VME) 1000 ppm - 2400 mg/m³ TLV TWA:: 500 ppm, A4 - 1187,12 mg/m³, A4 TLV STEL:: 750 ppm, A4 - 1780,67 mg/m³, A

Carry out the control of the concentrations of the substances with exposure limits assigned, in the working place according to local dispositions

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

liquid

Colour:

beige

Odour:

of solvent

pH:

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Melting point:	== °C
Boiling point:	56 °C
Flash point:	<21 °C
Solid/gas flammability:	N.A.
Autoignition temperature:	>215 °C
Explosion limits(by volume):	1.1%-13%
Oxidizing properties:	N.A.
Vapour pressure:	<110 kPa (23°C)
Relative density:	0.90±0,1 g/cm ³ (23°C)
Solubility in water:	insoluble
Lipid solubility:	soluble
Viscosity:	3000 mPa.s (23°C)
Vapour density (air=1):	3.4

10. STABILITY AND REACTIVITY

Conditions to avoid:

Avoid accumulating electrostatic charge.

Avoid contact with combustible materials. The product could catch fire.

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

11. TOXICOLOGICAL INFORMATION

Route(s) of entry:

Ingestion:	Yes
Inhalation:	Yes
Contact:	Yes

Toxicological information related to the product:

No toxicological data are available at the moment on the product itself.

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Set out below is the toxicological information relating to the main substances in the preparation.

solvent naphtha (petroleum), hydrotreated light naphthenic (*)

LD50 (rat) oral >2000 mg/kg

ethyl acetate

LD50 (rabbit) oral: 4935 mg/kg

acetone

LD50 (rabbit) oral : 5300 mg/kg

Corrosive/Irritating Properties:

Skin:

The product can cause irritation by contact.

Eye:

The product can cause irritation by contact

Sensitizing Properties:

No effects are known.

Carcinogenic Effects:

No effects are known.

Mutagenic Effects:

No effects are known.

Teratogenic Effects:

No effects are known.

12. ECOLOGICAL INFORMATION

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Biodegradability: no data available on the preparation.
Adopt good industrial practices, so that the product is not released into the environment.

List of environmentally dangerous substances contained in this preparation and their classification:

40% - 50% solvent naphtha (petroleum), hydrotreated light naphthenic (*)

N. EEC/67/548: 649-341-00-2 CAS: 92062-15-2 EC: 295-529-9

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

0.25% - 0.5% Reaction product: bisphenol-A-(epichlorhydrin)

Epoxy resin (number average molecular weight = 700)

N. EEC/67/548: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions.

In so doing, comply with the local and national regulations currently in force.

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Disposal of hardened product (EC waste code) : 08 04 10

Disposal of not hardened product (EC waste code) : 08 04 09

The suggested European waste code is just based on the composition of the product.

According to the specific process or application field a different waste code may be necessary.

14. TRANSPORT INFORMATION

UN Number: 1133

Rail/Road(RID/ADR): 3, III

LIMITED QUANTITY (3.4.6. ADR e 3.4.2. IMDG)

Sea (IMO/IMDG): 3, III

Dangerous goods in limited quantities

MAR/POL 73/78,Annex III: No

Air (ICAO/IATA): 3, III

15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols:

Xi Irritant

F Highly flammable

N Dangerous for the environment

R Phrases:

R11 Highly flammable.

R36/38 Irritating to eyes and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

S Phrases:

S16 Keep away from sources of ignition - No smoking.

S24/25 Avoid contact with skin and eyes.

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

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S33 Take precautionary measures against static discharges.
S43 In case of fire, use CO₂, chemical powders or foam.
S9 Keep container in a well-ventilated place.

Contents:

solvent naphtha (petroleum), hydrotreated light naphthenic (*)
Rosin: May produce an allergic reaction.
Reaction product: bisphenol-A-(epichlorhydrin)
Epoxy resin (number average molecular weight = 700): May produce an allergic reaction.

16. OTHER INFORMATION

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances

Istituto Superiore di Sanità - Inventario Nazionale Sostanze Chimiche
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
ACGIH - Threshold Limit Values - 2004 edition
SAX'S - Dangerous properties of industrial materials

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Text of R phrases referred to under heading 3:

R11 Highly flammable.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

NP: The substance is not classified "carcinogenic" because it contains less than 0,1% by weight of benzene.