

Safety Data Sheet

according to 91/155/EEC

1. Product identification/preparation/company undertaking

Trade name: Vertex™ SoftSil 25 primer
Manufacturer/supplier: Vertex-Dental B.V.
 P.O. Box 10
 3700 AA Zeist
 The Netherlands
 Fax + 31 30 6955188
 E-mail: info@vertex-dental.com
Emergency information: + 31 30 6976740

2. Composition/Information of Ingredients

Chemical characterization: Solution of polyacrylate in Ethylacetaat
Description: Primer for PEMA or PMMA based dentures to bond relining silicones.

Hazardous components:

<u>CAS-Nr.:</u>	<u>Name</u>	<u>R-classification</u>
141-78-6	Ethylacetaat	X _i , F

3. Hazards identification

Risk identification: X_i, F
Special risks for human beings and environment: possible risk of irreversible effects
Classification: classification corresponds to actual EEC guidelines

4. First-aid measures

General information

after inhalation: move to fresh air
after skin contact: Wash with plenty of water and remove contaminated clothes.
after eye contact: Rinse with plenty of water with the eyelid held wide open and consult an eye specialist.
after swallowing: Caution if victim vomits. Risk of aspiration. Keep airways free. Drink plenty of water, but no milk, castor oil or alcohol.

5. Fire fighting measures

Extinguishing media: CO₂, foam and powder. Practically non combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
Protective equipment: Do not stay in dangerous zone without suitable chemical protection clothing and self-containing breathing apparatus.

6. Accidental release measures

Personal precautions: Do not inhale vapours/aerosols. Ensure supply of fresh air in enclosed rooms.
Environmental precautions: observe local by laws
Methods for cleaning up: Wipe out with absorbent material. Forward of disposal.
Additional information: None

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7. Handling and storage

Handling:	The product should only be supplied or handled to dentists or dental technicians or upon their instructions.
Handling procedures:	no procedures, if correctly handled
Storage:	Tightly closed. Protected from light, store in well ventilated place at 15°C to 25°C.
Requirements at storerooms and containers:	store at dry place
Requirements for storage with other products:	keep away from food stuffs
Additional storage conditions:	none
Storage classification:	n.a.
VBF-classification:	n.a.

8. Exposure controls/personal protection

Additional information for technical plants:	n.a.
Components with limits of values to be supervised at the workplace:	
Ethylacetaat has a MAC value of 150 ppm / 550 mg/m ³ and MAC TGG-15 min value of 300 ppm / 1100 mg/m ³ .	
Additional information:	n.a.
Personal protective equipment:	n.a.
General measures of protection and hygiene:	Do not eat, drink or smoke during handling. Avoid contact with eyes or skin.
respiration:	Required when vapours/aerosols are generated. Filter type A
hands:	wear gloves
eyes:	glasses recommended

9. Physical and chemical properties

Appearance

Form:	liquid
Colour:	slightly yellow
Odour:	sweetish

Information on change in the physical state

Melting point/melting range:	ca. -83°C
Boiling point/boiling range:	ca. 77°C
Flash point:	ca. -4°C
Autoignition temperature:	430°C / DIN51794
Danger of explosion:	Lower limit: 13% Kühn-Birett Upper limit: 22%
Density:	ca. 0.9 (20°C) g/cm ³
Vapour pressure:	ca. 97 mbar
Viscosity:	slightly viscous
pH:	neutral
Solubility in/miscibility with:	soluble in toluene, slightly in petrol ether
Water:	insoluble
Organic solvents:	Ethylacetaat

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10. Stability and reactivity

Incompatibility with other substances:

The product is stable by proper use. Avoid heat, > 120°C thermal decomposition occurs. Avoid contact with alkali metals, alkaline earth metals and metals in powder form.

Hazardous decomposition products:

In case of fire: phosgene, hydrochloric acid

11. Toxicological information

Acute toxicity:

Small effects of toxicity.

**Primary irritation
skin:**

Irritating (Xi), degreasing effects of the skin; possibly followed by secondary inflammation.

eye:

Severe irritating, risk of corneal clouding.

inhalation:

Mucosal irritations; inebriation, narcosis and unconsciousness.

ingestion:

Nausea and vomiting

Sensitization of product:

no data known

Additional toxicological information:

During the long period of use as primer for relining materials no health diseases are reported. Under proper conditions and consideration of the normal hygienic measures it can be handled without risks for health. But it may react irritating on eyes or skin or may cause allergic reactions.

12. Ecological information

General information:

No data known. Do not allow to come in the environment or canalisation.

Classification of water endangerment:

WGK = 2

13. Disposal consideration

Recommendation:

Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

Disposal key number:

n.a.

14. Transport information

Land transport:

GGVS/GGVE class: 3,

ADR/RID class: 3,

Name of material: 1173 Ethylacetaat

IMDG class 3 UN-No: 1173

Sea transport:

EmS: 3.1-02 MFAG: 310

Packaging group: II

Correct technical name: Ethylacetaat

ICAO/IATO class 6.1 UN/ID-No: 1173

Air transport:

Packaging group: II

Correct technical name: Ethylacetaat

The transport regulations are cited according to international regulations and in the form applicable in the Netherlands. Possible national deviations in other countries are not considered.

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15. Regulatory information

Classification according to EEC-guidelines:	Xi	Irritating
	R 11	Highly flammable
	R 36/37/38	Irritating to eyes, respiratory system and skin
	S 9	Keep container in well ventilated place
	S 16	Keep away from ignition sources - no smoking
	S 29	Do not empty into drains
	S 33	Take precautionary measures against static discharges
National prescriptions:	n.a.	
Classification according to VbF:	n.a.	

16. Other information:

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.

Preparation by:

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