

Material Safety Data Sheet

GLOSS

according to Regulation (EC) No. 1907/2006 (REACH)

1. Product/Company Identification

Trade Name:	GLOSS
Reference Number:	624-303
Date of Issue:	09.20.2013
Product Description:	Varnish
Company Name	COSMEDENT, Inc 401 N Michigan Ave. Ste. 2500 Chicago, IL 60611 USA
Emergency information:	Mary OMalley 312-644-9586 or 312-720-0701 mary@cosmedent.com

2. Hazards identification

Risk identification:	
Special risks for human beings and environment:	Highly flammable. Irritating for eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness or dizziness.
Classification:	Classification corresponds to actual EC guidelines

3. Composition/Information of Ingredients

Chemical characterization:	Light cure varnish based on multifunctional methacrylates and ethylacetate
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Description:

Hazardous components:

	<u>Name</u>	<u>R-classification</u>
CAS#[141-78-6],EC#2005-500-4	Ethylacetate	F, Xi - R11-36/66/67

4. First-aid measures

General information:	Medical advice is necessary, if symptoms occur, which are obviously caused by the product
after inhalation	Fresh air
after skin contact:	Wash with plenty of water and soap. Remove contaminated clothing.
after eye contact:	Rinse with plenty of water with the eyelid held wide open and consult an ophthalmologist
after swallowing:	Caution if victim vomits. Risk of aspiration! Keep airways free. Consult a physician.

5. Fire fighting measures

Extinguishing media:	Water spray, CO ₂ , dry chemical powder, appropriate foam
Protective equipment:	Do not stay in dangerous zone without suitable chemical protection clothing and self containing breathing apparatus

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6. Accidental release measures

Personal precautions:

Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms

Environmental precautions:

Do not allow to enter drains/surface water/ground-water.

Methods for cleaning up:

Wipe out with absorbent material. Forward of disposal. Clean up affected area.

Additional information:

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:

Requirements for storage with other products:

Keep away from highly flammable substances.
Keep away from food stuffs.

8. Exposure controls/personal protection

Additional information for technical plants:

Components with limits of values to be supervised at the workplace:

CAS-No.	name	art	value	unit
[141-78-6]	Ethylacetate	TRGS 900 (Germany)	400 or 1500	ml/m ³ mg/m ³

additional information:

Personal protective equipment:

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 required

hands:

Wear gloves

eyes:

glasses recommended

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9. Physical and chemical properties

Appearance

Form: Liquid
Color: Slight yellow
Odor: sweetish

	Value	Unit	Method
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Information on change in the physical state

Melting point/melting range:	n.d.		
Boiling point/boiling range:	ca. 77	°C	
Flash point:	-4	°C	DIN 51755
Danger of explosion:	Lower limit of explosion	2.1 Vol%	Kühn-
	Upper limit of explosion	11.5 Vol%	Birett
Density (20°C; 68 °F):	1.03	g/cm ³	
Vapour pressure (20°C; 68 °F)	ca. 97	hPa	
Viscosity:	n.d.		
pH:	not available		
Solubility in/miscibility with:	Soluble in most organic solvents		
Water:	soluble		
Content of solvents:			
Organic solvents:	Ethylacetat		
Water:	none		
Content of solids:	none		

10. Stability and reactivity

Unstable by heat, direct sunlight and radical starters

Incompatibility with other substances: Polymerization possible in presence of heat, light, radical starters as peroxides, reducing agents, etc. Do not use various plastics or rubber as working materials.

Hazardous decomposition products: None by proper use

11. Toxicological information

Acute toxicity: LD₅₀ (oral/rat): 5600 mg/kg
 LD₅₀ (inhalation/rat): 1600 ppm (V)/8h

Primary irritation

skin: Irritations; risk of skin sensitization
eye: Irritations
inhalation: Mucosal irritations, lack of appetite, headache, drowsiness

Sensitization of product: not observed
additional toxicological information: The product should be handled with the care usual when dealing with chemicals

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12. <u>Ecological information</u>									
General information:	no data known. Do not allow to come in the environment or canalisation								
Classification of water endangerment:	WGK = 1 (self estimation)								
13. <u>Disposal consideration</u>									
Recommendation:	Use proper landfill disposal in accordance with local, state and federal regulations								
Disposal key number:									
Uncleaned packaging:	Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.								
14. <u>Transport information</u>									
Land transport ADR/RID (Germany)	UN 1173 ETYHLACETAT, 3, II								
Sea transport IMDG	UN 1173 ETHYL ACETATE, 3, II EmS F-E S-D								
Air transport ICAO-TI/IATA-DGR	UN 1173 ETHYL ACETATE, 3, II The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.								
15. <u>Regulatory information</u>									
Classification according to EC-guidelines:	<table> <tr> <td>F</td><td>Higly flammable</td></tr> <tr> <td>Xi</td><td>Irritant</td></tr> <tr> <td>R 11-36-66-67</td><td>Higly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.</td></tr> <tr> <td>S-16-26</td><td>In case of conract with eyes, rinse immediately with plenty of water and seek medical device.</td></tr> </table>	F	Higly flammable	Xi	Irritant	R 11-36-66-67	Higly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.	S-16-26	In case of conract with eyes, rinse immediately with plenty of water and seek medical device.
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National Prescriptions:	none								
16. <u>Other information:</u>									
Changes compared with the previous version:	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.								