

Trade name: UV-glue**Safety data sheet in accordance with (EG) Nr. 1907 / 2006**

Date of printing : 10.12.2010

01. Identification

Product details	
Trade name	UV-glue
Application of the material / of the formulation	

Identification of the manufacturer	
Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
Information provided by	Chemie
Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92, e-mail: w.heuchert@erkodent.com
Emergency telephone number :	

02. Hazards possibilities

Hazard designation	Irritating to eyes, respiratory system and skin., May cause sensitization by skin contact., Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment., Possibility irreversible effects.
Particular information pertaining specific risk for human / environment	-

03. Composition/information on ingredients

Chemical characterization	UV-glue Gel				
Substance / product identification					
Hazardous ingredients					
	CAS no.	EINECS no.	%	Hazard symbols	R phrases
Isobornylacrylat	5888-33-5	227-561-6	25 – 40	Xi, N	36/37/38, 51, 53
2-Hydroxyethylmethacrylat	868-77-9	212-782-2	10 – 25	Xi	36/38, 43
Ethanone,2,2-dimethoxy-1,2-diphenylethan-1on	24650-42-8	246-386-6	1 – 5	N	50/53
Diphenyl-2,4,6-trimethylbenzolphospine oxide	75980-60-8	278-355-8	1 – 5	Xn, N	51/53, 62
2-Hydroxyethylacrylat	818-61-6	212-454-9	0,1 – 1	T, C, N	24, 34, 43, 50
(3-(2,3-Epoxypropoxy)propyl)trimethoxysilan	2530-83-8	219-784-2	1 – 3	Xn, Xi	22, 36, 68
Additional information					

04. First aid measures

General Information	Remove contaminated, soaked clothing immediately and dispose of safely.
First aid measures / inhalation.	Remove the casualty into fresh air and keep him calm., In the event of symptoms take medical treatment.
First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water., Consult a doctor if skin irritation persists.
First aid measures / eye contact.	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water., Begin with medical treatment.
First aid measures / ingestion..	Rinse mouth thoroughly with water., Let plenty of water be drunk in small gulps., Do not induce vomiting., Take medical treatment.
Advice to doctor	-

05. Fire-fighting measures

Suitable extinguishing media	foam, dry powder, carbon dioxide.
Extinguishing media that must not be used for safety reasons	-
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	In case of fires, hazardous combustion gases are formed:: Carbon monoxide (CO), Carbon dioxide (CO ₂), Carbon dioxide (CO ₂)
Special protective equipment for firefighting	Use self-contained breathing apparatus.
Additional informations (chapter 5)	-

06. Accidental release measures

personal precautions.	Avoid contact with skin, eyes and clothing., Ensure adequate ventilation., Use personal protective clothing.
environmental precautions.	Do not allow to enter drains or waterways., Do not discharge into the subsoil/soil.
methods for cleaning up/taking up.	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr)., Dispose of absorbed material in accordance with the regulations.
Additional informations (chapter 6).	

07. Handling and storage

Handling	
Hints on safe handling.	Open and handle container with care., Provide good ventilation of working area (local exhaust ventilation if necessary).
Hints for protection against fire and explosion.	Keep away from sources of ignition - refrain from smoking.

Storage	
Requirements for storage rooms and vessels.	Keep container tightly closed, cool and dry. (8-21°C)
Hints on storage assembly.	-
Further information on storage conditions.	-
Storage category	-
Storage stability	-
Recommended storage temperature	-

08. Exposure controls/personal protection

Additional hints on technical system design.	See chapter 7; no measures exceeding the ones mentioned are necessary.
Ingredients with occupational exposure limits to be monitored	-

Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung	
Respiratory protection	Short term: filter apparatus, filter AX
Hand protection	Neoprene gloves
Eye protection	tightly fitting safety glasses
Skin protection	light protective clothing
General protective and hygiene measures	Do not eat, drink or smoke during work time., Keep separated from food-stuffs and feed-stocks., Remove soiled or soaked clothing immediately., Avoid contact with eyes and skin., Observe the usual precautions when handling chemicals.

09. Physical and chemical properties

Appearance.	
Form	Gel
Colour	colourless to yellowish
Odour	slight, original odour

Safety data			
Changes in physical state			
Boiling point	> 149	°C	
Flash point	> 93,3	°C	DIN 51755
Ignition temperature	--	°C	DIN 51794
self ignition			
explosion limits	--	Vol %	
Upper explosion limit	--	Vol %	
Vapour pressure			
	< 3,9	mbar	20 °C
Density			
	1,09	g/cm3	20 °C
Solubility in water			
	slightly soluble	g/l	20 °C
Soluble in			
Acetone	miscible	g/l	
pH-Value			
	n.a.		
Viscosity			
	n.b.		

Other information (chapter 9.)	-
---------------------------------	---

10. Stability and reactivity

Hazardous reactions	Reactions with strong oxidising agents., Reactions with reducing agents., Reactions with alkali metals.
Hazardous decomposition products	-
Thermal decomposition	-
Additional informations (chapter 10)	-

11. Toxicologic indications

Acute toxicity	Possibility irreversible effects.
Acute oral toxicity	irritant
Acute dermal toxicity	-
Acute inhalational toxicity	-

Irritant/corrosive effects	
Irritant effect on skin	irritant, Frequent persistent contact with the skin can cause skin irritation.
Irritant effect on eyes	irritant

Sensitization	
Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	Possibility of sensitization through skin contact. The product can cause skin and eye irritation., Irritates the mucous membrane.
Other information (chapter 11.)	-
Experiences made in practice.	-
General remarks.	-

12. Environmental indications

Data on elimination (persistence and degradability) :	
Physico-chemical eliminability	-
Biodegradability	-

Behaviour in environment compartments.	-
--	---

Ecotoxic effect	
Fish toxicity	Toxic to aquatic organisms.
Daphnia toxicity	-

Algae toxicity	-
Bacteria toxicity	-
Further ecological information	Do not allow to enter soil, waterways or waste water canal.
Result of the evaluation of PBT characteristics	

13. Disposal considerations

Disposal considerations	
Disposal / product	-
Disposal / contaminated packagings.	Not cleanable packings should be disposed of in agreement with the Regional Waste Disposal Authority.
Waste code no. / name of waste (for Germany only)	08 04 09 The stated Waste Code Number(s) according to the European Waste Catalogue (EAK) is (are) considered as a recommendation. A definite setting (establishment) should be carried out in co-ordination with the Regional Waste Disposal Authority.

14. Transport information

Land transport ADR/RID	
Class	3 (F1)
Number/letter	M6
Hazard number (Kemler-number)	90
UN number	3082
Technical name	2,2-dimethoxy-1,2-diphenylethan-1-on, Isobornyl acrylat
Remarks	VG/PG: III

Inland waterways transport ADN/ADNR	
Class	9
Number/letter	M6
Category	-
Technical name	2,2-dimethoxy-1,2-diphenylethan-1-on, Isobornyl acrylat
Remarks	VG/PG: III

Marine transport IMDG/GGVSee	
Class	9
UN number	3082
page	9
EmS	F-A, S-F
MFAG	-
MARINE POLLUTANT	-
Correct technical name	2,2-dimethoxy-1,2-diphenylethan-1-on, Isobornyl acrylat
Remarks	VG/PG: III

Air transport ICAO/IATA	
Class	9
UN number	3082
page	3
Correct technical name	2,2-dimethoxy-1,2-diphenylethan-1-on, Isobornyl acrylat
Remarks	VG/PG: III Packaging-Instruction (passenger): 914 Packaging-Instruction (cargo): 914

Other information (chapter 14.)	-
---------------------------------	---

15. Regulatory information

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

Hazard symbols	N	Dangerous for the environment
	Xn	Harmful
TA-Luft / components		2-Hydroxyethylmethacrylat, [3-(2,3-Epoxypropoxy)propyl]trimethoxysilan

R phrases	R36/37/38	Irritating to eyes, respiratory system and skin.
	R43	May cause sensitization by skin contact.
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R68	Possibility irreversible effects.

S phrases	S 24	Avoid contact with skin.
	S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 37	Wear suitable gloves.
	S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

Other regulations	
Restriction of occupation.	-
Decree for case of interference / remarks (for Germany only).	-
Classification according to VbF / remarks (for Germany only).	
TA-Luft (Ger.)	-
Water Hazard Class (Ger.)	1
Other regulations, restrictions and prohibition regulations (for Germany only)	VCI 10
Securityevaluation++Stoffsicherheitsbeurteilung	

16. Other information (chapter 16.).

-

(n.a. = Not applicable; n.b.= not determined)

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.