

1. Identification of substance:

Trade name: UV-Emulsifier (hydrophilic)

Article number: UEM - H

Manufacturer/Supplier

Helmut Klumpf

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Advice:

Helmut Klumpf, Techn. Chemie KG, H. Klumpf

Emergency advice:

As stated above or next emergency phone

2. Hazards identification

Hazards designation:

Xn Harmful

N Dangerous for the environment

Information pertaining to particular dangers for man and environment:

R 22 Harmful if swallowed.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 50 Very toxic to aquatic organisms.

3. Composition/information on ingredients

Chemical characterization (preparation):

Description:

CAS-No.	Name of chemical	EINECS-number	EWG-no.	weight %	Symbols	R-phrases
	aliphatic alcohol	---	---	< 60	Xi, N	38, 50
	C12-18 linear, ethoxy isodecanol ethoxy	---	---	< 60	Xn	22, 41

4. First aid measures

General information:

After inhalation:

Ensure supply of fresh air. In the event of symptoms refer for medical treatment.

After skin contact:

In case of contact with skin wash off with soap and water.

After eye contact:

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After swallowing

Do not induce vomiting; instantly call for medical help. Instantly call for doctor

5. Fire fighting measures

Suitable extinguishing material:

ABC powder, foam, carbon dioxide.

Extinguishing material that must not be used for safety reasons:

Full water jet.

Special exposure hazards extinguishing from the substance or preparation itself, combustible products or resulting gases:

None

Special protective equipment for fire fighters:

None

6. Accidental release measures

Personal precautions:

Not necessary

Environmental precautions:

Do not discharge into the subsoil/soil.

Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up/taking up:

Take up with absorbent material

(e.g. sand, sawdust, kieselguhr, general-purpose binder).

7. Handling and storage

Handling:

Advice on safe handling:

Use only in well-ventilated areas.

Advice on protection against fire and explosion:

Keep away from sources of ignition.

Do not smoke.

Take precautionary measures against static discharges.

Storage:

Requirements for storage rooms and vessels:

Keep container in a well-ventilated place.

Advice on storage compatibility:

Do not store together with oxidizing agents.

Further information on storage conditions:

Keep container in a well-ventilated place.

8. Exposure controls/personal protection

Additional information about of technical systems:

No other information's, see point 7.

Components with critical values that require monitoring at the workplace: not required

Additional information's:

None

Personal protection equipment:

Respiratory protection:

Respiratory protection in the event of aerosol or mist formation.

Hand protection:

Gloves (oil-resistant)

Skin Protection:

Light protective clothing.

Eye protection:

Tightly fitting goggles

General protective measures:

Avoid contact with eyes.

Avoid prolonged and/or repeated contact with skin.

Hygiene measures:

At work do not eat, drink, smoke, or take drugs.
Remove soiled or soaked clothing immediately.
Cloths contaminated with product should not be kept in trouser pockets.

9. Physical and chemical properties

General Information

Form: Liquid Colour: colourless Smell: characteristic

Data relevant for safety:

Solidification point:	0	°C	(DIN/ISO 2207)
Flash point:	> 100	°C	(DIN 51 758)
Ignition temperature:	> 200	°C	(DIN 51 794)
Density (20°C):	1,0	g/cm ³	(DIN 51 757)
Solubility in water (25°C):	> 100	g/l	
Viscosity (23°C):	60	mPa.s	

10. Stability and reactivity

Conditions to avoid:

No decomposition if used correctly.
No reactions by normal use.

Materials to avoid:

No hazardous reactions known.

Hazardous decomposition products:

Ammonia

11. Toxicological information

Toxicity test:

Acute Toxicity:

Irritability/Corrosiveness:

Skin: Slight irritation

Eye: Irritant

Sensitization:

No sensitization known.

12. Ecological information

Data on elimination (persistence and degradability):

Can be eliminated from the water by precipitation or flocculation.
Danger class for water (WKG 2 German only) = dangerous for water

Behaviour in environment compartments:

Not known.

Ecotoxicological effects:

No data are available.

General information's:

Do not discharge product unmonitored into the environment.

13. Disposal considerations

Product:

Recommendations:

Hand over to authorized disposal agency.

Waste code No.:

EAV: 14 06 03 term: Mixture of solvent

Contaminated packaging:

Recommendations:

Container must be completely emptied and must not be opened by force.
Hand over to authorized disposal agency.

Waste code No.:

EAV: 15 01 02 term: Plastic jerry cans

14. Transport information

Land transport ADR/RID

UN-Nr.: 3082

Identification: Environmentally hazardous substance, liquid, n.o.s.
(contains fatty alcohol alcoxylate)

Class: 9 Package Group: III

Classifications code: F 1 shipment category: 3 Label-no.: 9

Packing instruction: P 001, MP 15

Limited of volume: LQ 28

Marine transport IMDG/GGVSee

UN-Nr.: 3082 Class: 9 Package Group: III

EmS-No.: F-A, S-F Label-no.: 9 Marine Pollutant: P Label: Marine Pollutant

Proper Shipping Name: Environmentally hazardous substance, liquid n.o.s.,
(contains fatty alcohol alcoxylate)

Air transport ICAO-TI and IATA-DGR

Class/Division: 9 UN/ID-No.: 3082

Package Group: III, Label-No.: 9

Packing inst. Passenger aircraft: 914 Max. netto/Package: without limit

Packing inst. Cargo aircraft: 914 Max. netto/Package: without limit

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.
(contains fatty alcohol alcoxylate)

15. Regulatory information

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV).

Code letter and hazard designation for product:

Xn Harmful

N Dangerous for the environment.

Risk Phrases:

R 22 Harmful if swallowed.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 50 Very toxic to aquatic organisms.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 39 Wear eye/face protection.

S 61 Do not discharge into the environment.

National Regulations (German):

Classification according to VbF/remarks: A III

TA-Luft/classification, compound, remarks: Class 3 (organic)

Water hazard class: WGK 2 (dangerous for water)



16. Other information

Recommended uses:

As **Emulsifier** at the penetration process by colours acc. to EN ISO 3452-1 [EN 571-1]
(DIN 54 152 part 1) for finding surface cracks.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
