

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

Product Name and Code : AC-WALZGRUND UV-HÄRTEND

4723-5443

**Use of the substance/preparation:**

Paint/Accessory material for the treatment of surface by the industrial user.

Name of the company:

**KNEHO-LACKE GmbH**

**Wilberger Strasse 98-100**

**D-32805 Horn-Bad Meinberg**

Phone of the company: **+49 (5234) 8402-0**

Fax: **+49 (5234) 840250**

Email : **notruf@kneho.com**

Emergency phone : **+49 (5234) 840245**

2. **HAZARDS IDENTIFICATION**

**Danger classification :** Xi Irritant

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical family: Unsaturated acrylate resin combination

Substances presenting a health or environmental hazard:

<b>EINECS-No.</b>	<b>Names</b>	<b>Symb.</b>	<b>Conc.</b>
213-979-6	1,4-butyleneglycol diacrylate, tetramethylene diacrylate		
1070-70-8	21-34-43	C	1 - 5
403-150-9	2,4,6-trimethylbenzophenone		
954-16-5	22-36-50/53	Xn,N	< 0.5
	Glycerolpropoxytriacyrylate		
52408-84-1	36	Xi	10.5 - 20
	Acrylate		
	51/53-36	Xi,N	1 - 5
	Acrylate ungesättigte		
	36	Xi	10.5 - 20
	Acrylatharz		
	36-43	Xi	1 - 5

See full text of phrases under chapter 16.

4. **FIRST AID MEASURES**

**General :**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation :**

Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

**Eye contact :**

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice. In case of accidental eye contact avoid concurrent exposure to the sun or other sources of UV light, which may increase the sensitivity of the eyes.

**Skin contact :**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do **not** use solvents or thinners.

In case of accidental skin contact avoid concurrent exposure to the sun or other sources of UV light, which may increase the sensitivity of skin.

**Ingestion :**

If accidentally swallowed obtain immediate medical attention. Keep at rest.

Do **not** induce vomiting.

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5. **FIRE-FIGHTING MEASURES**

**Extinguishing media:**

Recommended: alcohol resistant foam, CO<sub>2</sub>-blanket, water spray/mist.

Not to be used: waterjet.

**Recommendations:**

Fire will produce dense black acrid smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

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6. **ACCIDENTAL RELEASE MEASURES**

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measurer, listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean preferably with a detergent; avoid use of solvents.

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

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7. **HANDLING AND STORAGE**

**Persons with a history of skin sensitisation problems should not be employed in any process in which this preparation is used.**

**Handling.**

Handle in well ventilated areas. Avoid skin and eye contact. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Keep container tightly closed. Isolate from sources of heat, sparks and open flame. Always keep in containers of same material as the original one.

For personal protection see Section 8.

Never use pressure to empty: container is not a pressure vessel.

Smoking, eating and drinking should be forbidden in application area.

Comply with the health and safety at work laws.

**Storage.**

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep away from sources of ignition. Keep away from oxidizing agents, from alkaline and acid materials.

No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep in original containers.

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8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Measures.**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the OEL, suitable respiratory protection must be worn.

**Exposure Limits.**

Occupational exposure limit for :

<b>EINECS-No.</b>	<b>Names</b>	<b>STEL</b>	<b>LTEL</b>
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**Personal Protection.**

**Respiratory protection:**

In situations where misting or flying may occur use appropriate certified respirators.

**Hand protection:**

For prolonged or repeated contact, use : Gloves from Latex carry gloves. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

**Eye protection:**

Use safety eyewear designed to protect against splash of liquids.

**Skin protection:**

Personel should wear protective clothing.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**General information**

<b>appearance</b>	:	liquid
<b>colour</b>	:	see label
<b>odour</b>	:	kind-typically

**Important health, safety and environmental information**

<b>Flash point</b>	:	n.a.	°C	
<b>Ignition temperature</b>	:	260	°C	
<b>Lower explosion limit</b>	:	0.8	Vol.%	
<b>Upper explosion limit</b>	:	n.a.	Vol.%	
<b>Vapour pressure</b> at 20 °C:		0.00	mbar	
<b>Specific gravity</b> at 20 °C:		1.26	g/cm <sup>3</sup>	
<b>Water solubility</b>	:	insolubly		
<b>Viscosity</b> at 20 °C:		55 s 8 mm		DIN 53211
<b>Solvent-separation test</b>	:	< 3	%	ADR/RID
<b>Percent volatile by weight</b>	:	0	%	
<b>Solid weight</b>	:	99.62	%	

10. **STABILITY AND REACTIVITY**

This preparation contains materials which are unstable under the following conditions: exposure to heat, strong UV sources, free radical initiators, peroxides, strong alkalis or reactive metals. These could cause the product to polymerise exothermically. Unintentional contact with them should be avoided.

none, with appropriate use  
 none, with appropriate use  
 none, with appropriate use

11. **TOXICOLOGICAL INFORMATION**

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Chapter 2 and 15 for details.

Acrylate components of the preparation have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis, etc. Cases of allergic skin reactions have been observed.

The liquid splashed in the eyes may cause irritation.

The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Ingestion may cause nausea, weakness and central nervous system effects.

**12. ECOLOGICAL INFORMATION**

The product should not be allowed to enter drains or water courses.  
The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for ecotoxicological properties accordingly. See Section 2 and 15 for details.

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**13. DISPOSAL CONSIDERATIONS**

Do not allow into drains or water courses.  
Wastes and emptied containers should be deposited according to the official rules.

**Code of waste Waste Designation:**

080111 waste paint and varnish containing organic solvents or other dangerous substances

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**14. TRANSPORT INFORMATION**

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

**ADR/RID Class:** not applicable

Hazard label(s): n.a.

UN-No: n.a.

ADR hazard: n.a.

Transport document name:

Packing group: n.a.

**IMDG Class:** 9

Hazard label(s): 9

EmS: F-A, S-F

UN-No: 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.  
(Acrylatharz)

Packing group: III

marine pollutant: p (Acrylatharz)

**ICAO/IATA Class:** 9

Hazard label(s): 9

UN No: 3082

Proper shipping name: Environmentally hazardous substance,  
liquid, n.o.s.  
(Acrylatharz)

Packing group: III

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**15. REGULATORY INFORMATION**

In accordance with requirements of the Classification Packaging and Labelling of Dangerous Preparations Regulations (1999/45/EC).

The product is labelled as follows:

**Danger classification :**

Xi Irritant

**Contains:**

1,4-butylenglycol diacrylate, tetramethylene diacrylate  
Acrylatharz

**R-phrases:**

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrases:**

- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 37 Wear suitable gloves.
- 38 In case of insufficient ventilation, wear suitable respiratory equipment.
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- 23 Do not breathe vapour.

**Special provisions concerning the labelling of preparations:**

n.a.

**Information of VOC-properties:**

- VOC(g/l) DIN ISO 11890: 5
  - VOC(g/l) ASTM D-3960-1: 5
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**16. OTHER INFORMATION**

Full text of R-phrases with no. appearing in section 3:

- 21 Harmful in contact with skin.
- 34 Causes burns.
- 43 May cause sensitisation by skin contact.
- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.

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