



1 Identification of the substance / preparation and of the company

SamplKwick Hardener

Article number: 20-3564, 20-3564-320, 20-3564-640, 20-3568. 20-3560

Use:	Castable (Cold) mounting Compound
Identified use:	none
Method of operation:	See product information.
Company:	Buehler GmbH In der Steele 2 D-40599 Düsseldorf / GERMANY Phone: 0800 707 6273 Fax: 0800 707 6274 Homepage: www.buehler-met.de/en/ E-mail: sales@buehler.co.uk
Emergency phone:	0800 707 6273 (Only valid if dialled within the UK) +49 (0) 211 974100
Responsible:	Schroeder@chemiebuero.de

2 Hazards identification

Physico-chemical hazards:	See chapter 10.
Other hazards:	none
Hazard symbols:	



Irritant



Dangerous for the environment

R-phrases:	R 10: Flammable. R 36/37/38: Irritating to eyes, respiratory system and skin. R 43: May cause sensitisation by skin contact. R 50: Very toxic to aquatic organisms.
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3 Composition / Information on ingredients

Range [%]	Substance
50 - < 90	Isobutyl methacrylate Registration: CAS: 97-86-9, EINECS/ELINCS: 202-613-0, EU-INDEX: 607-113-00-x, ECBnr: GHS/CLP: EEC: Xi-N, R10-36/37/38-43-50
10 - < 20	Propylidynetrimethyl trimethacrylate Registration: CAS: 3290-92-4, EINECS/ELINCS: 221-950-4, EU-INDEX: , ECBnr: GHS/CLP: EEC: Xi, R36/38-43

Comment on component parts:	For the wording of the listed risk phrases refer to section 16.
Substances of Very High Concern - SVHC:	The product contains no substance which is named in the list SVHC (Candidate List of Substances of Very High Concern for authorization).

4 First aid measures

General information:	Change soaked clothing.
Inhalation:	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact:	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion:	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
Advice to doctor:	Treat symptomatically.

**5 Fire-fighting measures**

Suitable extinguishing media:	Carbon dioxide. Foam. Dry powder. Water spray jet.
Extinguishing media that must not be used:	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products:	Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters:	Use self-contained breathing apparatus.
Additional information:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6 Accidental release measures

Personal precautions:	Keep away from all sources of ignition. Ensure adequate ventilation. High risk of slipping due to leakage/spillage of product.
Environmental precautions:	Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up:	Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with the regulations.

7 Handling and storage

Advice on safe handling:	Use only in well-ventilated areas.
Advice on protection against fire and explosion:	Keep away from all sources of ignition - Refrain from smoking. Vapours can form an explosive mixture with air.
Requirements for storage rooms and vessels:	Keep only in original container.
Advice on storage compatibility:	Do not store together with oxidizing agents.
Further information on storage conditions:	Keep container tightly closed. Protect from atmospheric moisture and water. Protect from heat/overheating. Protect from light.

8 Exposure controls / personal protection

Additional advice on system design: Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored: (GB)

Range [%]	Substance / WEL: Workplace exposure limit
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Respiratory protection:	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P2.
Hand protection:	Butyl rubber, >480 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Eye protection:	Safety glasses.
Skin protection:	Light protective clothing of plastic material.
General protective measures:	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
Hygiene measures:	Do not eat, drink, smoke or take drugs at work. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition:	not determined



9 Physical and chemical properties

Form:	liquid
Color:	clear
Odor:	characteristic
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	not determined
Flash point [°C]:	49
Flammability [°C]:	not determined
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Oxidizing properties:	no
Vapour pressure [kPa]:	not determined
Density [g/ml]:	0,89
Bulk density [kg/m³]:	not applicable
Solubility in water:	reacts with water
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	not applicable
Relative vapour density determined in air:	> 1
Evaporation speed:	< 1
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not applicable
Decomposition temperature:	not determined

10 Stability and reactivity

Hazardous reactions:	Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting. Reactions with oxidizing agents. Reactions with strong acids and alkalis.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Toxicological data are not available. The product was classified on the basis of the calculation procedure of the preparation directive.






**12 Ecological information**

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	not applicable
2006/11/EC:	not applicable
General information:	The product was classified on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations



Product:	Disposal in an incineration plant in accordance with the regulations of the local authorities. Dispose of as hazardous waste.
Contaminated packaging:	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended):	080409*

14 Transport information

Classification according to ADR:	UN 1866 Resin solution 3 (N), III
- Classification Code:	F1
- ADR LQ	LQ7 5l
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): 3 (D/E)
- Label:	 
Classification according to IMDG:	UN 1866 Resin solution (Isobutyl methacrylate) 3 III MARINE POLLUTANT
- EMS	F-E, S-E
- IMDG LQ:	LQ: 5 l
- Label:	 
Classification according to IATA:	UN 1866 Resin solution 3 III
- Label:	



15 Regulatory information

Exposure scenario:	not applicable
Chemical safety report:	not applicable
Labelling:	The product is classified and labelled in accordance within EC-directives.
Hazard symbols:	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Irritant</p> </div> <div style="text-align: center;">  <p>Dangerous for the environment</p> </div> </div>
Contains:	Propylidyntrimethyl trimethacrylate Isobutyl methacrylate
R-phrases:	R 10: Flammable. R 36/37/38: Irritating to eyes, respiratory system and skin. R 43: May cause sensitisation by skin contact. R 50: Very toxic to aquatic organisms.
S-phrases:	S 24/25: Avoid contact with skin and eyes. S 37: Wear suitable gloves. S 28.2: After contact with skin, wash immediately with plenty of water and soap. S 61: Avoid release to the environment. Refer to special instructions, safety data sheets.
Special labelling:	none
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
NATIONAL REGULATIONS (GB)	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4

16 Other informations

R-phrases (Chapter 03):	R 10: Flammable. R 36/37/38: Irritating to eyes, respiratory system and skin. R 36/38: Irritating to eyes and skin. R 43: May cause sensitisation by skin contact. R 50: Very toxic to aquatic organisms.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	~83%

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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