Silicon Based Lace Adhesive System

GluHU®

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

GluHU Corrector

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name GluHU Corrector

Product code None.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture Silicone based adhesive

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

GluHU GmbH
Fabrikstrasse 10
CH-9470 Buchs
Switzerland
Ph +41 43 311 70 20
info@atelierbassi.com

1.4. Emergency telephone number

145 (Tox Info Suisse)
international +41 44 251 51 51

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Version GHS 1

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Flammable liquids, Cat. 2, H225
Hazardous to the aquatic environment, acute, Cat. 1, H400
Hazardous to the aquatic environment, chronic, Cat. 1, H410

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements

Signal Word

Danger

Hazard Statements

H225: Highly flammable liquid and vapour.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241: Use explosion-proof [electrical/ventilating/lighting] equipment.
P273: Avoid release to the environment.
P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P235: Store in a well-ventilated place. Keep cool.

Supplemental information

None.

Product identifier

Not required.

Packaging

Tactile warning of danger (EN/ISO 11683).

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components		CLP Classification	Product identifier
Hexamethyldisiloxane	85 - 95%	Aquatic Acute 1 H400, Aquatic Chronic 1 H410, Flam. Liq. 2 H225	CAS-No.: 107-46-0 EC-No.: 203-492-7

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities

None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	No special measures required. Consult a physician after significant exposure.
Skin contact	Wash with water and soap as a precaution. If skin irritation persists, call a physician.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Rinse mouth. Obtain medical attention.
4.2. Most important symptoms and effects, both acute and delayed	None known.
4.3. Indication of any immediate medical attention and special treatment needed	None known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.
Extinguishing media which must not be used for safety reasons	High volume water jet.
5.2. Special hazards arising from the substance or mixture	Flash back possible over considerable distance. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Highly flammable. Vapours are heavier than air and may spread along floors. During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

5.3. Advice for firefighters

Special protective equipment for firefighters	Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes. Wear protective suit.
Specific methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water mist may be used to cool closed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel	Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Vapours are heavier than air and may spread along floors.
Advice for emergency responders	Immediately evacuate personnel to safe areas. Remove all sources of ignition. Pay attention to flashback. Prevent unauthorised persons entering the zone. Vapours are heavier than air and may spread along floors. Use personal protective equipment. Ventilate the area.
6.2. Environmental precautions	Do not flush into surface water or sanitary sewer system. Contain spillage, and then collect with non-combustible absorbent material, (e.g. universal binder, sand, diatomaceous earth, vermiculite). Advise water authority if spillage has entered water course or drainage system.
6.3. Methods and material for containment and cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean up promptly by sweeping or vacuum.
6.4. Reference to other sections	See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Wear personal protective equipment. Keep product and empty container away from heat and sources of ignition. Take precautionary measures against static discharges. Vapours are heavier than air and may spread along floors.
7.2. Conditions for safe storage, including any incompatibilities	Store in a place accessible by authorized persons only. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
7.3. Specific end use(s)	No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	No data is available on the product itself.

8.2. Exposure controls

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice.
Personal protection equipment	
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	Gloves made of Nitril. Break through time: > 4 h. The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).
Eye protection	Avoid contact with eyes. Eye wash bottle with pure water.
Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Thermal hazards	Keep product and empty container away from heat and sources of ignition.
Environmental exposure controls	Prevent product from entering surface water or sewage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Translucent. White.
Odour	Mild.
Melting point/ freezing point:	-59 °C
Boiling point or initial boiling point / range:	100 °C
Flammability:	Not determined.
Lower and upper explosion limit:	0.5% - 21.8%
Flash point:	-8 °°C
Auto-ignition temperature:	310 °C
Decomposition temperature:	Not determined.
pH:	not applicable
Kinematic viscosity:	Not determined.
Solubility:	insoluble (Water)
Partition coefficient n-octanol/water (log value):	> 3.16
Vapour pressure:	43 hPa (20°C)
Density and/or relative density:	< 1.0
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

Other safety characteristics	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	Risk of ignition. May form explosive mixtures in air.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	Vapours may form explosive mixture with air. Vapors may spread long distances and ignite.
10.4. Conditions to avoid	Take precautionary measures against static discharges. Heat, flames and sparks.
10.5. Incompatible materials	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
10.6. Hazardous decomposition products	None under normal use.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Based on available data, the classification criteria are not met. **Hexamethyldisiloxane (CAS 107-46-0)** Dermal LD50 Rat > 2000 mg/kg (ECHA_API) Inhalation LC50 Rat = 15956 ppm 4 h(NLM_CIP) Oral LD50 Rat > 5000 mg/kg (IUCLID)
Skin corrosion/irritation	None.
Serious eye damage/eye irritation	None.
Respiratory / Skin Sensitisation	None.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

11.2. Information on other hazards

Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Hexamethyldisiloxane (CAS 107-46-0)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Oncorhynchus mykiss 3.02 mg/L [flow-through] (IUCLID)

12.2. Persistence and degradability	Not readily biodegradable.
12.3. Bioaccumulative potential	The product may be accumulated in organisms.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. Endocrine disrupting properties	Contains no endocrine disrupting chemicals.
12.7. Other adverse effects	No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Must be reconditioned or disposed as special waste. Dispose of as special waste in compliance with local and national regulations.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

14.1. UN number or ID number	UN 1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)
14.3. Transport hazard class(es)	3
14.4. Packing group	II
14.5. Environmental hazards	Marine pollutant: Yes. Environmentally hazardous: Yes

14.6. Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.

UN Model Regulations

ADR/RID	UN 1993. Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane). Class 3. Packing group II. ADR/RID-Labels 3+ENV. Environmentally hazardous: Yes Classification code F1. Hazard identification no. 33. Limited quantity 1 L. Excepted quantity E2. Transport category 2. Tunnel restriction code (D/E).
IMDG	UN 1993. Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane). Class 3. Packing group II. IMDG-Labels 3+ENV. Limited quantity 1 L. Excepted quantity E2. EmS F-E, S-E. Marine pollutant: Marine pollutant: Yes..
IATA	UN 1993. Proper shipping name: Flammable liquid, n.o.s. (Hexamethyldisiloxane). Class 3. Packing group II. IATA label 3+ENV. Packing instruction (passenger aircraft): 353 (5 L). Packing instruction (LQ): Y341 (1 L). Packing instruction (cargo aircraft): 364 (60 L).
Inland navigation ADN	UN 1993. Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane). Class 3. Packing group II. ADN labels 3+ENV. Classification code F1. Limited quantity 1 L. Excepted quantity E2.
Further Information	None.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information	None.
Hexamethyldisiloxane (CAS 107-46-0)	
EU - REACH (1907/2006) - List of Registered Substances	Present
15.2. Chemical safety assessment	Not required.

SECTION 16: Other information

Key or legend to abbreviations and acronyms	VeVA: Ordinance on the Treatment of Waste (SR 814.610)
Full text of phrases referred to under sections 2 and 3	H225: Highly flammable liquid and vapour. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.