

MSDS (Material safety data sheet)

Mesa HR+++ glaslijm, Feb 2020

Material safety data sheet

1、 IDENTIFICATION OF THE CHEMICAL PRODUCT AND THE COMPANY

Product name: Mesa UV Curing adhesive H+++

Product type: Ultraviolet Curing adhesive

2、 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	proportion
Urethane Polymer	-	30%—50%
Methacrylate	-	20%—50%
Acrylate monomer	868—77—9	10%—30%
Photoinitiator	947—19—3	1%—5%

3、 HAZARDS IDENTIFICATION EMERGENCY OVERVIEW

Physical state: Liquid

Flammability: 2

Color: amber transparent

Health: 1

Odor: Mild

Physical Hazard: 1

Personal Protection: See next Section

WARNING: CAUSES EYE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE SKIN IRRITATION.

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation.

Skin contact: May cause skin irritation. May cause allergic skin reaction.

Eye contact: Contact with eyes will cause irritation.

Ingestion: May be harmful if swallowed.

Existing conditions aggravated by exposure:

Eye, skin, and respiratory disorders. Systemic diseases.

4、 FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse.

Get medical attention if symptoms occur.

Eye contact: Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention

5、 FIRE-FIGHTING MEASURES

Flash point: 105°C

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire or explosion hazards: Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.

Hazardous combustion products: Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Oxides of phosphorus. Irritating organic vapors.

6、 ACCIDENTAL RELEASE MEASURES

Environmental precautions: Remove sources of ignition. Prevent product from entering drains or open waters.

Clean-up methods: Spontaneous hazardous polymerization may occur. Ventilate area. Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

7、 HANDLING AND STORAGE

Handling: Keep away from heat, spark and flame. Avoid contact with eyes, skin and clothing. Use only in area provided with appropriate exhaust ventilation.

Storage: For safe storage, store between 10°C and 26°C . Store away from heat, sparks, flames, or other sources of ignition.

8、 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves.

Eye/face protection: Safety goggles or safety glasses with side shields.

9、 PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: Amber transparent

Odor: Mild

Vapor pressure: Less than 5 mm Hg at 20°C

PH: 6

Melting point/range: Not available

Density: 1.04

Solubility in water: Slight

10、 **STABILITY AND REACTIVITY**

Stability: Unstable for light or heat.

Hazardous polymerization: May occur.

Hazardous decomposition products: Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Oxides of phosphorous. Irritating organic vapors. Dimethylamine.

Incompatibility: Strong oxidizers. Strong acids. Strong bases.

11、 **TOXICOLOGICAL INFORMATION**

Product toxicity data: Acute oral LD50 greater than 5000mg/kg (rat)(estimated). Acute dermal LD50 greater than 2000 mg/kg (rat) (estimated).

Carcinogen Status		
Hazardous components	NTP Carcinogen	Bureau of health and Safety Carcinogen
Urethane Polymer	NO	NO
Methacrylate	NO	NO
Acrylate monomer	NO	NO
Photoinitiator	NO	NO

12、 **ECOLOGICAL INFORMATION**

Ecological information: Don't put it into the flesh water directly before being cured.

To be style polymer after being cured which is un-harmful to environment.

13、 **DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

14、 **TRANSPORT INFORMATION**

1. **DOT regulation:**

Hazardous level: —

2. **Transport on earth ADR/RID:**

ADR/RID level: —

3. **Sea transportation IMDG:**

IMDG level: —

Ocean pollutant: no

4. **Air-express ICAO-TI AND IATA-DGR:**

ICAO/IATA level: —

15、 **Regulatory information Signs:**

Follow the general safety regulations when disposing of chemicals.

According to the guidelines on hazardous materials, the product does not need to follow the marking regulations.

National regulations: Water hazard level: water hazard level I
(self-assessment): slightly harmful to water

16. **OTHER INFORMATION**

If you have any questions please contact Mesaproducts Almelo
www.mesaproducts.nl