

Product name: EM-Tec UV1 UV sample glue
Document Nr.: SDS0015005205-01

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Section 1: Identification of the substance or mixture and the company

1.1. Product Identifier

EM-Tec UV1 UV sample glue. Product number 15-005205
The substance is not subject to registration according to REACH

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

Mounting of microscopy and SEM samples on sample stubs. Cure glue with UV light.

1.3. Details of the supplier of the Safety Data Sheet

Micro to Nano
Tappersweg 91
2031ET Haarlem
Netherlands
Tel: +31(0)85-2013155
E: info@microtonano.com

1.4 Emergency telephone number

112 (NLD) or your national emergency telephone number for chemical spills, leaks, fires, exposures or accidents

Section 2: Hazards identification

2.1. Classification of the substance or mixture according to regulation EC Nr. 1272/2008 (CLP)

Physical:	None
Health:	Causes skin irritation, category 2, H315 Causes serious eye irritation, category 2A, H319 Skin sensitization, category 1, H317
Environment:	Aquatic Chronic, category 1, H410
Other hazards:	Not classified

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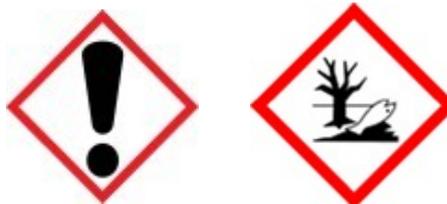
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2.2 Labelling elements

Labelling accordance to Regulation EC Nr. 1272/2008

Hazard pictogram(s):



Signal word:

Warning

Hazard statement(s):

H302: Harmful if swallowed
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
H410: Very toxic to aquatic life with long lasting effects

Precautionary statement(s):

P102: Keep out of reach of children
P233: Keep container tightly closed
P261: Avoid breathing vapours / spray
P273: Avoid release to the environment
P361: Remove / take off immediately all contaminated clothing
P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing
P333+P313: If skin irritation or rash occurs; get medical advice/attention

Supplemental hazard info:

Do not expose skin, and above all, eyes to direct or reflected UV light

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, the substance is not a PBT or a vPvB

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Section 3: Composition / information on components**3.1. Substances**

Not applicable

3.2 Mixtures

Chemical name	Identification-Nr. Index Nr. / EC Nr. / CAS Nr. / Reach	Concentration Gew.-% / Vol.%	Classification according to regulation (EG) Nr. 1272/2008	SCL, ATE (oral, dermal, inhalativ), MFactor(acute,chron.)
Pentaerythriol-tetrakis(3- mercaptopropionat)	--- / 231-472-8 / 7575- 23-7/--	5 - 20 % (w/w)	Acute Tox. 4; H302 Skin Sens. 1A; H317 Aquatic Acute 1; H400, Aquatic Chronic 1; H410	
Ethyl (2,4,6- trimethylbenzoyl) phenylphosphinate	--- / 282-810- 6 / 84434-11- 7/--	1 - 2 % (w/w)	Skin Sens. 1A; H317 Aquatic Chronic 2; H411	
Polyester Urethane Acrylate	--- / --- / ---/--	17 - 30 % (w/w)	Skin Irrit 2; H315 Skin Sens. 1A; H317 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Chronic 3; H412	
Polyester Acrylate	--- / --- / ---/--	20 - 50 % (w/w)	Skin Irrit 2; H315 Skin Sens. 1A; H317 Eye Irrit. 2; H319	
Dipropylene glycol diacrylate	--- / 260-751-3/ 57472-67-1 / 01-2119484629-21	17 - 30 % (w/w)	Skin Sens. 1A; H317 Skin Irrit 2; H315 Eye Dam. 1, H318	
Trimethylolpropa ne (EO) _n triacrylate	--- / 500-006-5 / 28961- 41-5 / 01-2119489900- 30	10 - 30% (w/w)	Skin Sens. 1A; H317 Aquatic Chronic 2; H411	

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Section 4: First aid measures

4.1. Description of first aid measures

General information:	The usual precautions for handling chemical substances should be observed. If symptoms should occur, seek medical advice. Immediately remove any clothing soiled by the product
Contact with eyes:	Rinse cautiously with water for several minutes. If possible, remove contact lenses. Continue rinsing.
Contact with skin:	Wash with water and soap. Seek medical attention if irritation persists.
Inhalation:	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
Ingestion:	If swallowed, do not induce vomiting, clean mouth with water Seek immediate medical advice

4.2. Important symptoms and effects, either immediate or delayed

Inhalation:	No further relevant information available
Ingestion:	No further relevant information available
Skin contact:	Irritating to skin – Symptoms redness and pain
Eye contact:	Irritating to eyes – Symptoms redness, pain and/or impaired vision.
Other information:	No further data available

4.3. Indication of any immediate medical attention and special treatment

No further relevant information available

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Section 5: Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Dry powder, Foam, Carbon dioxide

Unsuitable extinguish media: High volume waterjet

5.2 Special hazards arising from the substance or mixture

In case of fire formation of dangerous gasses possible: Sulphuroxide, Carbonmonoxide

5.3 Advice to firefighters

In case of fire: do not breathe fumes, wear self-contained breathing apparatus and protective clothing

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breath vapour. Wear suitable protective clothing including eye/face protection. Avoid contact with skin, eye and clothing.

6.2 Environmental precautions

Do not allow to enter public sewers and waterways

6.3 Methods and material for containment and clean up

Absorb spillage in suitable inert material

Clean up spills immediately

Collect spillage, absorbed spillage and wipes in a sealable container Wash spill area with soap and water to remove last traces of residue

6.4 Reference to other sections

See Section 7, 8 and 13

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Section 7: Handling and storage

7.1. Precautions for safe handling

- Do not breathe aerosols or vapours
- Ensure adequate ventilation
- Avoid contact with skin and eyes
- Wash thoroughly after use
- Wear protective gloves/protective clothing/eye protection/face protection
- Have eyewash bottles available

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed, in a cool, well-ventilated place For safe storage, store between 5°C and 30°C. Temperature must not exceed 40°C
- Protect from freezing
- Protect from direct sunlight
- Keep out of reach of children

7.3 Specific end uses(s)

Adhesives

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Section 8: Exposure control and personal protection

8.1. Control parameters

Exposure limits

Occupational exposure limits (OEL)

Not relevant

According to REACH regulation, paragraph 2 (9), the mixture does not require registration.

8.2 Exposure controls

Control procedures:	Ensure adequate ventilation Keep away from heat sources and ignition sources
Personal protection:	Take precautions to avoid contact with eyes and skin when handling the products
Inhalation:	In case of insufficient ventilation, wear suitable respiratory equipment
Hands and skin:	Wear suitable gloves against chemicals; recommended gloves: Nitrile
Eyes:	Wear safety goggles with side protection or full-face protection
Environment:	Do not allow material to contaminate ground water system

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance/physical state:	Liquid
Colour:	Colourless
Odour:	Charateristic
pH	Not determined
Boiling point/range:	Not determined
Melting point/range:	Not determined
Flash point:	>100°C
Evaporation rate:	Not available
Explosion limits:	Not determined
Vapour pressure:	Not determined
Relative density:	1.145 g/cm ³ @ 25°C
Solubility in water:	< 1 g/l
Auto-ignition:	Not applicable
Viscosity:	1100 --150000 mPa.s

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Safety Data Sheet

Regulation EC Nr. 1907/2006 Art.31

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9.2 Other information

VOC: None

Section 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

No decomposition if used as directed

10.3 Possibility of hazardous reactions

See 10.1

10.4 Conditions to avoid

Exposure to light.

Do not expose to ignition sources

10.5 Incompatible materials

Radical-forming initiators, peroxides, strong acids, strong alkaline substances, strong oxidizing substances, reactive metals

10.6 Hazardous decomposition products

None if used for intended purposes

In case of fire toxic gases can be released

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Section 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

Inhalation:	May cause irritation
Skin contact:	May cause skin irritation
Swallow:	No data available
Eye contact:	Causes serious eye irritation
CMR effects:	Carcinogenicity classification criteria not met based on available data Germ cell mutagenicity classification criteria not met based on available data Reproductive toxicity classification criteria not met based on available data
STOT-single exposure:	classification criteria not met based on available data
STOT- repeated exposure:	classification criteria not met based on available data
Aspiration hazard:	classification criteria not met based on available data

Symptoms related to physical, chemical and toxicological characteristics

If swallowed:	Discomfort, nausea, diarrhea
If in eyes:	Causes serious eye irritation – redness, pain, impaired vision
If inhaled:	No effects known
If on skin:	May cause irritation or rash

11.2. Information on other hazards

11.2.1 Endocrine disrupting properties – not listed

11.2.2 Other information – there is no additional information

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Section 12: Ecological information

12.1. Toxicity

Not classified

12.2 Persistence and degradability

No experimental data available

12.3 Bio-accumulative potential

No experimental data available

12.4 Mobility in soil

Soluble in water

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine disrupting properties

No experimental data available

12.7 Other adverse effects

No experimental data available

Section 13: Disposal considerations

13.1. Waste treatment methods

- Product:** This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.
- National regulations:** Disposal should be in accordance with local, state or national legislation.

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Section 14: Transport information

14.1. UN number

UN-number: N/A

14.2 UN proper shipping name

Proper shipping name: N/A

14.3 Transport hazard class(es)

Class: N/A
ADR/RID-Classification code: N/A

14.4 Packing group

Packing: N/A

14.5 Environmental hazards

ADR/RID- Environmentally hazardous: N/A
IMDG-Marine pollutant: N/A
IATA/ICAO-Environmentally hazardous: N/A

14.6 Special precautions for user

ADR/RID-Tunnel code: N/A
IMDG-Ems: N/A
IATA/ICAO-PAX: N/A
IATA/ICAO-CAO: N/A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not applicable

Section 15: Regulatory information

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

UN-number: N/A (Cont. on page 12)



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15.2 Chemical safety assessment

No information available

Section 16: Other information

RoHS Directive Compliant

This product is fully compliant with the directive 2100/65/EU Annex II (RoHS). It does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's or PBDE's.

WEEE

This product is not a piece of electrical or electronic equipment, and it therefore not governed by Directive 2002/96/EC on waste electrical and electronic equipment (WEEE)

Abbreviations:

Asp. Tox	Aspiration hazard
Carc.	Carcinogenicity
Exp.	Exposure
Flam.	Flammable
GHS	Global Harmonised System of Classification of Labelling
Chemicals Irrit.	Irritant
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
N/A	Not applicable
N/E	Not estimated
PBT	Persistent Bio-accumulative and Toxic
WEL	Workplace Exposure Limit
Repr.	Reproductive toxicant
RoHS	Restriction of Hazardous Substance
SEM	Scanning Electron Microscope
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TCLo	Lowest published toxic concentration
vPvB accumulative	very Persistent and very Bio- accumulative
WEEE	Waste Electrical and Electronic Equipment

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Relevant phrases

H302: Harmful if swallowed
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
H410: Very toxic to aquatic life with long lasting effects

This product should be stored, handled and used in accordance with good industrial hygiene practices and in accordance with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe the product from the point of view of safety requirements. It does not guarantee any specific properties.

It is the responsibility of the user to query and verify any information seeming suspect or where doubt on the validity may exist. The buyer assumes all responsibility of using and handling the product in accordance with local, state, federal and international regulations.

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