

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

UV120-100 - UV-acrylic sealer for rolling (0032204630)

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

Relevant identified uses

Coatings and paints, fillers, putties, thinners

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

3H-LACKE GmbH

Street : Füllenbruchstr. 13

Postal code/city : 32120 Hiddenhausen

Telephone : +49 5221 3809 0

Telefax : +49 5221 3809 20

Information contact : Abteilung Produktsicherheit/Umweltschutz (E-Mail : safety@3H-Lacke.de)

1.4 Emergency Telephone Number

In-Country (Deutschland): 0800-181-7059 (3HLL)

Out Side USA: -001 703 527 3887 (3HLL)

In Side USA: -800 424 9300 (3HLL)

South Africa to USA: -091 703 527 3887 (3HLL)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · May cause sensitization by skin contact. · Irritating to eyes.

N ; R 51/53 · R 43 · Xi ; R 36

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

Hazard symbols and hazard statements of dangerous substances and preparations



Xi ; Irritant



N ; Dangerous for the environment

Hazard components for labelling

acrylic resin, n.o.s.

oxybis(methyl-2,1-ethanediyl) diacrylate ; CAS No. : 57472-68-1

R-phrases

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

43 May cause sensitization by skin contact.

36 Irritating to eyes.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

S-phrases

29/35 Do not empty into drains; dispose of this material and its container in a safe way.
61 Avoid release to the environment. Refer to special instructions / safety data sheet.
37 Wear suitable gloves.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
24/25 Avoid contact with skin and eyes.

2.3 Other hazards

None

3. Composition/information on ingredients

3.2 Mixtures

Mixture of substances listed below with nonhazardous addition.

Hazardous ingredients

acrylic resin, n.o.s.

Weight fraction : 30 - 35 %
Classification 67/548/EEC : N ; R51/53 R43 Xi ; R36
Classification 1272/2008 [CLP] : Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

oxybis(methyl-2,1-ethanediyl) diacrylate ; REACH registration No. : 01-2119484629-21-001 ; EC No : 260-754-3; CAS No. : 57472-68-1

Weight fraction : 5 - 10 %
Classification 67/548/EEC : R43 Xi ; R41 Xi ; R38
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

1-METHOXY-2-PROPANOL ; REACH registration No. : 01-2119457435-35 ; EC No : 203-539-1; CAS No. : 107-98-2

Weight fraction : 1 - 5 %
Classification 67/548/EEC : R10 R67
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

2-hydroxy-2-methyl-1-phenyl-1-propanone ; EC No : 231-272-0; CAS No. : 7473-98-5

Weight fraction : 0,5 - 1 %
Classification 67/548/EEC : N ; R50/53 Xn ; R22
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

benzophenone ; EC No : 204-337-6; CAS No. : 119-61-9

Weight fraction : 0,5 - 1 %
Classification 67/548/EEC : N ; R51/53 Xn ; R48/22
Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Aquatic Chronic 2 ; H411

(1-METHYL-1,2-ETHANEDIYL)BIS(OXY(METHYL-2,1-ETHANEDIYL)) DIACRYLATE ; REACH registration No. : 01-2119484613-34-000 ; EC No : 256-032-2; CAS No. : 42978-66-5

Weight fraction : 0,5 - 1 %
Classification 67/548/EEC : N ; R51/53 R43 Xi ; R36/37/38
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 STOT SE 3 ; H335 Aquatic Chronic 2 ; H411

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

4. First aid measures

4.1 Description of first aid measures

General information

Remove affected person from the danger area and lay down. If unconscious place in recovery position and seek medical advice.

Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

After inhalation

If unconscious place in recovery position and seek medical advice. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. P338 - Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Call a physician in any case! Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

P374 - Fight fire with normal precautions from a reasonable distance. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Clean contaminated objects and areas thoroughly observing environmental regulations. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

None

7. Handling and storage

Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

7.1 Precautions for safe handling

23 - Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes. Use personal protection equipment. When using do not eat, drink, smoke, sniff. Provide adequate ventilation as well as local exhaust at critical locations.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep away from sources of ignition - No smoking. Only allow access to authorised staff. Always close containers tightly after the removal of product.

Hints on storage assembly

Storage class : 10

7.3 Specific end use(s)

None

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

CALCIUM SULFATE ; CAS No. : 7778-18-9

Limit value type (country of origin) : TRGS 900 (D)

Parameter : A: alveolar fraction

Limit value : 6 mg/m³

Version : 02.07.2009

1-METHOXY-2-PROPANOL ; CAS No. : 107-98-2

Limit value type (country of origin) : TRGS 900 (D)

Limit value : 100 ppm / 370 mg/m³

Peak limitation : 2(I)

Remark : Y

Version : 02.07.2009

Limit value type (country of origin) : STEL (EC)

Limit value : 150 ppm / 568 mg/m³

Remark : H

Version : 08.06.2000

Limit value type (country of origin) : TWA (EC)

Limit value : 100 ppm / 375 mg/m³

Remark : H

Version : 08.06.2000

8.2 Exposure controls

Personal protective equipment

General health and safety measures Wash hands before breaks and after work.

Eye / face protection

39 - Wear eye/face protection.

Skin protection

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Body protection

Use personal protection equipment.

9. Physical and chemical properties

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

9.1 Information on basic physical and chemical properties

Appearance

Physical state : liquid

Colour : colourless

Odour

earthy

Safety relevant basis data

Boiling temperature / boiling range :	(1013 hPa)	>	100	°C
Flash point :		>	100	°C
Vapour pressure :	(50 °C)	<	1100	hPa
Density :	(20 °C)		1,5	g/cm ³
Solvent separation test :	(20 °C)	<	3	%
Water solubility :	(20 °C)		insoluble	
pH value :			not applicable	
Flow time :	(20 °C)	>	90 - 4	s DIN-cup 4 mm
Maximum VOC content (EC) :			2,1	Wt %
VOC value (Wood coating) :			32,3	g/l

9.2 Other information

None

10. Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

11. Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute dermal toxicity

Practical experience/human evidence

Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. Eye contact: irritation.

12. Ecological information

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

12.1 Toxicity

There are no data available on the mixture itself.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII

12.6 Other adverse effects

No information available.

12.7 Further ecological information

Do not allow to enter into surface water or drains. Observe local regulations concerning effluent treatment.

13. Disposal considerations

13.1 Waste treatment methods

Handle contaminated packages in the same way as the substance itself.

Product/Packaging disposal

Waste codes / waste designations according to EWC / AVV

Waste code product

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste code packaging

Non-contaminated packages may be recycled.

14. Transport information

14.1 UN number

3082

14.2 UN proper shipping name

Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acrylic resin, n.o.s. · 2-hydroxy-2-methyl-1-phenyl-1-propanone)

Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acrylic resin, n.o.s. · 2-hydroxy-2-methyl-1-phenyl-1-propanone · benzophenone)

Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (acrylic resin, n.o.s. · 2-hydroxy-2-methyl-1-phenyl-1-propanone)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 9
Classification code : M6
Hazard identification number (Kemler No.) : 90
Tunnel restriction code : E
Special provisions : LQ 7 · E 1

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

Hazard label(s) : 9 N
Sea transport (IMDG)
Class(es) : 9
EmS-No : F-A / S-F
Special provisions : LQ 51 · E 1
Hazard label(s) : 9 N
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 9
Special provisions : E 1
Hazard label(s) : 9 N

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : Yes

Sea transport (IMDG) : Yes (P)

14.6 Special precautions for user

None

15. Regulatory information

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

National regulations

Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

No information available.

16. Other information

16.1 Indication of changes

14. UN proper shipping name - Sea transport (IMDG)

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

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

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Category 2 ; Toxic to aquatic life with long lasting effects.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2A ; Causes serious eye irritation.

Skin Sens. 1 ; H317 - Respiratory or skin sensitisation : Category 1 ; May cause an allergic skin reaction.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)



Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

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Hazard Statements

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash with water and soap thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P333/313 If skin irritation or rash occurs: Get medical advice/attention.
P337/313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container to ...

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
10	Flammable.
22	Harmful if swallowed.
36	Irritating to eyes.
36/37/38	Irritating to eyes, respiratory system and skin.
38	Irritating to skin.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.
48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
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.
67	Vapours may cause drowsiness and dizziness.

16.6 Training advice

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : UV120-100 - UV-acrylic sealer for rolling
Revision date : 21.02.2013
Date of print : 25.11.2013

Version (Revision) : 2.0.0 (1.1.0)

mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

FRITZOE
ENGROS