

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 30107
Print date 28.01.2017
Version 1.0

ULANO QLT
Revision date 23.11.2016
Issue date 19.10.2016

EN
Page 1 / 7

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

1.1. **product identifiers**

Article No. (manufacturer/supplier): 30107
Identification of the substance or mixture ULANO QLT

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

Relevant identified uses

Stencil production for screen and textile printing. Reserved for industrial and professional use.

1.3. **Details of the supplier of the safety data sheet**

supplier (manufacturer/importer/downstream user/distributor)

Made under license by
KISSEL + WOLF GmbH Telephone: 49 6222 578-0
In den Ziegelwiesen 6 Telefax: 49 6222 578-100
69168 Wiesloch E-mail: info@kiwo.de
Germany

Dept. responsible for information:

RA - Regulatory Affairs
E-mail ra@kiwo.de

1.4. **Emergency telephone number**

Emergency telephone number +49 6222 578 219

SECTION 2: Hazards identification

2.1. **Classification of the substance or mixture**

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.

2.2. **Label elements**

The product is classified and labelled according to EC directives or corresponding national laws.

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

Hazard pictograms



Warning

Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

P280 Wear protective gloves and eye/face protection.

contains:

ethoxylated (3) trimethylolpropane triacrylate
1,2-benzisothiazol-3(2H)-one
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H
-isothiazol-3-one [EC no. 220-239-6] (3:1)

Supplemental Hazard information (EU)

not applicable

2.3. **Other hazards**

SECTION 3: Composition / information on ingredients

3.2. **Mixtures**

Product description / chemical characterization

Description Mixture of components, as listed below, with nonhazardous constituents

Hazardous ingredients

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

Safety Data Sheet
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according to Regulation (EU) 2015/830



Article No.: 30107 ULANO QLT
Print date 28.01.2017 Revision date 23.11.2016
Version 1.0 Issue date 19.10.2016

EN
Page 2 / 7

EC No. CAS No. INDEX No.	REACH No. Chemical name classification: // Remark	Wt %
500-066-5 28961-43-5	01-2119489900-30 ethoxylated (3) trimethylolpropane triacrylate Eye Irrit. 2 H319 / Skin Sens. 1 H317	10 - 12,5
220-120-9 2634-33-5 613-088-00-6	1,2-benzisothiazol-3(2H)-one Acute Tox. 4 H302 / Acute Tox. 2 H330 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1 H317 / Aquatic Acute 1 H400	< 0,025
55965-84-9 613-167-00-5	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3 H331 / Acute Tox. 3 H311 / Acute Tox. 3 H301 / Skin Corr. 1B H314 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	< 0,025

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion

Seek medical advice immediately. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide Water mist Foam

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special hazards arising from the substance or mixture

Gases/vapours, toxic

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device.

Additional information

The danger areas must be delimited and identified using relevant warning and safety signs. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Remove persons to safety. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent

Safety Data Sheet
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Article No.: 30107 ULANO QLT
Print date 28.01.2017 Revision date 23.11.2016
Version 1.0 Issue date 19.10.2016

EN
Page 3 / 7

authorities in accordance with local regulations. Provide good ventilation.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid contact with eyes and skin. Do not inhale vapours or mist.
Do not eat, drink or smoke when using this product.
Personal protection equipment: refer to section 8.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Always keep in containers that correspond to the material of the original container. Ensure adequate ventilation of the storage area.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information

VCI-storage class, see Chapter 15

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

INDEX No. 613-167-00-5 / CAS No. 55965-84-9

DFG, MAK, TWA: 0,2 mg/m³

Remark: (einatembare Fraktion)

Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

DNEL:

ethoxylated (3) trimethylolpropane triacrylate

EC No. 500-066-5 / CAS No. 28961-43-5

DNEL long-term dermal (systemic), Workers: 0,8 mg/kg

DNEL long-term inhalative (systemic), Workers: 16,2 mg/m³

PNEC:

ethoxylated (3) trimethylolpropane triacrylate

EC No. 500-066-5 / CAS No. 28961-43-5

PNEC aquatic, freshwater: 0,0019 mg/l

PNEC aquatic, marine water: 0,0002 mg/l

PNEC sediment, freshwater: 0,0082 mg/kg

PNEC sediment, marine water: 8,2 x10⁻⁴ mg/kg

8.2. Exposure controls

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
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Article No.: 30107 ULANO QLT
Print date 28.01.2017 Revision date 23.11.2016
Version 1.0 Issue date 19.10.2016

EN
Page 4 / 7

must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Hand protection

Chemical resistant protective gloves: DIN EN 374
Recommendation for contact by spatter: Protection Index 2
Permeation time >30 min., e.g. butyl rubber 0,4 mm
Recommendation for direct contact: Protection Index 6
Permeation time >480 min., e.g. nitrile rubber 0,4 mm

Eye protection

Wear closed protection glasses. DIN EN 166

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: liquid
Colour: depending on coloration

Odour: typical

Odour threshold: not applicable

pH at 20 °C: 5

Melting point/freezing point: not applicable

Initial boiling point and boiling range: 100 °C
Source: water

Flash point: not applicable

Evaporation rate: not applicable

Flammability (solid, gas):
burning time (s): not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: not applicable
Upper explosion limit: not applicable

Vapour pressure at 20 °C: 13,3541 mbar

Vapour density: not applicable

Relative density:
Density at 20 °C: 1,06 g/cm³

Solubility(ies):
Water solubility (g/L) at 20 °C: partially soluble

Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature: not applicable

Decomposition temperature: not applicable

Viscosity at 20 °C: 6200 mPa·s

Explosive properties: not applicable

Oxidising properties: not applicable

9.2. Other information

Solid content (%): 41,71 Wt %

solvent content:
Organic solvents: 0 Wt %
Water: 58 Wt %

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 30107
Print date 28.01.2017
Version 1.0

ULANO QLT
Revision date 23.11.2016
Issue date 19.10.2016

EN
Page 5 / 7

Solvent separation test (%): < 3 Wt % (ADR/RID)

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

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

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc..

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself .

SECTION 12: Ecological information

overall evaluation

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

Do not store at public landfills.

12.1. Toxicity

No information available.

Long-term Ecotoxicity

1,2-benzisothiazol-3(2H)-one

Fish toxicity, LC50: (96 h)

12.2. Persistence and degradability

Toxicological data are not available.

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 30107 ULANO QLT
Print date 28.01.2017 Revision date 23.11.2016
Version 1.0 Issue date 19.10.2016

EN
Page 6 / 7

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

List of proposed waste codes/waste designations in accordance with EWC

080111 waste paint and varnish containing organic solvents or other dangerous substances

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

No dangerous good in sense of this transport regulation. This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).

14.1. UN number

not applicable

14.2. UN proper shipping name

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code

-

Sea transport (IMDG)

EmS-No.

not applicable

Air transport (ICAO-TI / IATA-DGR)

Packaging >30 l

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 30107
Print date 28.01.2017
Version 1.0

ULANO QLT
Revision date 23.11.2016
Issue date 19.10.2016

EN
Page 7 / 7

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

EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 2,398

Observe in addition any national regulations!

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

calculated with mixing rule

Substance/product listed in the following inventories:

Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

Full text of classification in section 3:

Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 2 / H330	Acute toxicity (inhalative)	Fatal if inhaled.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Acute Tox. 3 / H311	Acute toxicity (dermal)	Toxic in contact with skin.
Acute Tox. 3 / H301	Acute toxicity (oral)	Toxic if swallowed.
Skin Corr. 1B / H314	skin corrosion/irritation	Causes severe skin burns and eye damage.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.