01 TEN LABS
Alchroma GmbH, Halbergstr. 4, 66121 Saarbrücken

MATERIAL SAFETY DATASHEET (MSDS)

ULTRACRYL

Safety data sheet according to European Parliament and Council Regulation (EC) No. 1907/2006 (REACH) and Commission Regulation (EU) 2020/878. acc. to OSHA HCS

Printing Date 22/04/2026

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

1.1 Product identifier
Product name: **Ultracryl - Polyurethane enhanced Acrylic Paint for artist use**
Product code: UC001–UC999

1.2 Relevant identified uses of the substance or mixture and uses advised against
Relevant uses: For consumer and professional use [SU 21, SU 22]. PC-ART-1: Artists', craft and hobby paints.
Uses advised against: Not intended for cosmetic applications or where prolonged skin contact occurs.

1.3 Details of the supplier of the safety data sheet
Ten01 Labs UG (Haftungsbeschränkt)
Im Lämmergraben 3, 66606 St. Wendel, Germany
Phone: +4915253843038 Emergency Contact, Philipp Maitrot, Lead Chemist
Email: info@ten01.org

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Skin Sens. 1A, **H317**

2.2 Label elements

Signal word: Warning
Hazard statements:
H317: May cause an allergic skin reaction.
Precautionary statements:
P280: Wear protective gloves.
P302 + P352: IF ON SKIN: Wash with plenty of water.
P501: Dispose of contents/container in accordance with local regulations.
Contains: Benzisothiazolinone, Methylisothiazolinone, Chloromethylisothiazolinone.
This product does not contain substances considered PBT or vPvB at or above 0.1%.

2.3 Other hazards

This product does not contain substances considered PBT or vPvB at or above 0.1%.

- Classification system:
- NFPA ratings (scale 0 - 4)

Health = 1, Skin Sens. 1A, H317.
Fire = 0
Reactivity = 0

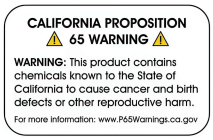
- HMIS-ratings (scale 0 - 4).

Health = 0 Skin Sens. 1A, H317
Fire = 0
Reactivity = 0

- Other hazards

California P65 Warning:

All colors containing Titanium Dioxide (TiO_2) as well as Cobalt Blue, Cobalt Green, Cobalt Turquoise and Cobalt Violet have the following P65 warning:



- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

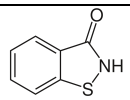
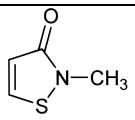
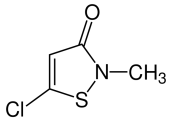
SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable (mixture).

3.2 Mixtures

Aqueous acrylic-polyurethane hybrid dispersion composed of pigments, resins, and additives.

Component	CAS	% (w/w)	Classification	Structure
Benzisothiazolinone (BIT)	2634-33-5	<0.05%	H302, H315, H317, H318, H400	
Methylisothiazolinone (MIT)	2682-20-4	<0.01%	H302, H317, H319	
Chloromethylisothiazolinone (CIT)	26172-55-4	<0.0015%	H301, H310, H314, H317, H318, H400, H410	

SECTION 4: First aid measures

4.1 Description of first-aid measures

-General advice. In all cases of doubt, or when symptoms persist, seek medical attention and show this safety-data sheet.

- Inhalation. Move the affected person to fresh air. Keep at rest. Seek medical advice if symptoms develop.

- **Skin contact.** Wash immediately with plenty of water and neutral soap. Remove contaminated clothing and shoes. Seek medical advice if irritation persists.

- Eye contact. Rinse cautiously with lukewarm water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing and obtain medical attention if irritation occurs.

- **Ingestion.** Rinse mouth with water. Do **not** induce vomiting. Keep patient at rest and consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No acute or delayed health effects are expected under normal use. Sensitive individuals may develop mild skin irritation or allergic response due to trace isothiazolinones.

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

SECTION 5: Fire-fighting measure

5.1 Extinguishing media

Suitable media. Water mist, alcohol-resistant foam, carbon dioxide, dry powder. **Unsuitable media.** High-pressure water-jets may spread the fire.

5.2 Special hazards arising from the substance or mixture

The product is an aqueous acrylic/PU dispersion, not classified as flammable. In a fire, dense smoke containing carbon monoxide, carbon dioxide and nitrogen oxides may be generated.

5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective equipment. Cool closed containers exposed to fire with water-spray. Prevent run-off from entering sewers and waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Absorb spill with inert material (sand, universal binder) and place in suitable container. For emergency responders: Use protective gloves and safety glasses (see section 8).

6.2 Environmental precautions

Do not allow to enter surface or ground water.

6.3 Methods and material for containment and cleaning-up

Contain the spill, collect with absorbent material, wash the area with water and detergent.

6.4 Reference to other sections

For disposal see section 13; for personal protection see section 8.

SECTION 7: Handling and storage

• **Handling:**
Precautions for safe handling No special measures required.
Information about protection against explosions and fires: No special measures required.
Conditions for safe storage, including any incompatibilities
• **Storage:**
Requirements to be met by storerooms and receptacles: No special requirements, keep in dark and cold place.
• Information about storage in one common storage facility: Not required.
• Further information about storage conditions: Dark and cold. Mix well before use, may settle and needs to be dispersed by shaking until the included Agitators start working
• Storage class: 11
• Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

• Control parameters
• Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• Additional Occupational Exposure Limit Values for possible hazards during processing
general dust limit value

PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	Long-term value: 5* mg/m³ *inhalable fraction; E

NO MATTER OF PAINT TYPE AND/OR BRAND, ALWAYS WEAR A RESPIRATOR WHEN AIRBRUSHING

ALSO, DON´T LICK BRUSHES REGARDLESS OF PAINT BRAND!!!

SECTION 9: Physical and chemical properties

Property	Value / Comment
Physical state	Liquid
Colour	Miscellaneous (according to colour shade)
Odour	Slight, characteristic
Melting point / freezing point	~ -8°C (wate based polymerr)
Boiling point	~ 100 °C
Flammability	Not applicable (water-based)
Flash point	> 100 °C (non-flammable)
Auto-ignition temperature	Not determined

SECTION 9: Physical and chemical properties

Property	Value / Comment
Decomposition temperature	> 150 °C
pH	7.5 – 8.5 (20 °C)
Viscosity, dynamic	50 – 500 mPa·s (ISO 2555, 20 °C)
Solubility in water	Miscible in all proportions
Partition coefficient n-octanol/water	Not applicable (mixture)
Vapour pressure	23 hPa @ 20 °C (water)
Density	1.15 ± 0.05 g cm^{-3} @ 20 °C
Relative vapour density	Not determined
Particle characteristics	Not applicable (liquid)

SECTION 10: Stability and reactivity

10.1 Reactivity.
No hazardous reactions when stored and used as directed.
10.2 Chemical stability.
Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions.
None known.
10.4 Conditions to avoid.
Protect from frost below -10°C and temperatures > 40 °C.
10.5 Incompatible materials. Strong acids, bases and oxidising agents.
10.6 Hazardous decomposition products. None under normal conditions; thermal decomposition may release CO, CO_2, NO.
Ultramarine Blue and Royal Blue – Contact with acids liberates Hydrogen Sulphide ($H2_S$) gas, at temperatures above 400°C in the presence of air an exothermic reaction can occur with the liberation of Sulphur Dioxide (SO_2) gas.

SECTION 11: Toxicological information

The mixture is not classified as hazardous. Data for relevant components indicate low acute toxicity. Trace preservatives (BIT, CMIT/MIT) may cause skin sensitisation in susceptible persons.

Acute toxicity (oral, dermal, inhalation). Not classified based on available data. *Skin corrosion/irritation.* Not classified. *Serious eye damage/irritation.* Not classified. *Respiratory or skin sensitisation.* Contains < 0.05 % isothiazolinones; may provoke allergic reaction in sensitised individuals (EUH208). *Germ-cell mutagenicity, carcinogenicity, reproductive toxicity, STOT, aspiration hazard.* Not expected.

SECTION 12: Ecological information

12.1 Toxicity. The product is not classified as hazardous to the environment.

12.2 Persistence and degradability. Main polymer components are not readily biodegradable; water component is inorganic.

12.3 Bioaccumulative potential. Low (log $K_o w$ < 3 for main constituents).

12.4 Mobility in soil. Dispersible in water; unlikely to partition to soil.

12.5 Results of PBT & vPvB assessment. This mixture contains no components ≥ 0.1 % that are assessed as PBT/vPvB.

12.6 Endocrine-disrupting properties. None known.

12.7 Other adverse effects. None known.

SECTION 13: Disposal considerations

13 Waste treatment methods

Product / sludge. Dispose of as non-hazardous water-based paint in accordance with Directive 2008/98/EC. Suggested European Waste Code (EWC): **08 01 12** – waste paint and varnish other than those mentioned in 08 01 11. **Packaging.** Empty containers may be recycled after thorough cleaning. Uncleaned packaging should be disposed of in the same way as product.

SECTION 14: Transport information

Not regulated as dangerous goods under ADR/RID/IMDG/IATA.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture. The mixture is not subject to authorisation or restriction under REACH Annex XIV/XVII. Contains treated articles with in-can biocides (BIT, CMIT/MIT) in compliance with Regulation (EU) 528/2012.
15.2 Chemical safety assessment. A CSA has not been performed for this mixture.

SECTION 16: Other information

EUH208 – *Contains 1,2-benzisothiazol-3(2H)-one and mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.*

- Department issuing SDS: Division for product safety
- Contact: Philipp Maitrot, phil@ten01.org
- Date of preparation / last revision **22/04/2026**
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

- * Data compared to the previous version altered.