

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 08.03.2022

Version number 2

Revision: 08.03.2022

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

- **1.1 Product identifier**
- **Trade name: NewV XE MGA Paper CRSmax Orange 7804**
- **MSDS no.** 393,240
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Application of the substance / the mixture** Printing inks
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
hubergroup Deutschland GmbH
Bremer Weg 125
D-29223 Celle
- Tel. +49-514191-0
Fax. +49-514191-202
- **Informing department:**
Product Safety hubergroup
Telefon: + 49 89-9003-220
Telefax: + 49 89-9003-500
E-mail: product-safety@hubergroup.com
- **1.4 Emergency telephone number:**
During general business hours: Product Safety Division, Extension 220 or 375
- **Poisons Centre** Poisons Centre of Ireland: [+353 (0)1 809 2166]

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.

 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**
Ethoxylated trimethylolpropane triacrylate
Tris(N-hydroxy-N-nitrosophenylaminato-O,O')aluminium

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· Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards This information is provided by the present Material Safety Data Sheet.

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

* SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Dangerous components:

	Polyester Acrylate	20-30%
	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
	Polyester Acrylate	20-30%
	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 1393932-71-2	2-[[2,2-bis[[[(1-oxoallyl)oxy]methyl]butoxy]methyl]-2-ethyl-1,3-	15-20%
EC number: 830-217-3	propanediyl diacrylate	
Reg.nr.: 01-2119977121-41-xxxx	Aquatic Chronic 2, H411; Eye Irrit. 2, H319	
CAS: 28961-43-5	Ethoxylated trimethylolpropane triacrylate	1-2.5%
NLP: 500-066-5	Eye Irrit. 2, H319; Skin Sens. 1, H317	
Reg.nr.: 01-2119489900-30-xxxx		
CAS: 15305-07-4	Tris(N-hydroxy-N-nitrosophenylaminato-O,O')aluminium	≥0.1-<0.25%
EINECS: 239-341-7	Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1B, H317	

· Additional information For the wording of the listed hazard phrases refer to 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 place person in the recovery position. Never give anything by mouth.

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- **After inhalation**
Remove to fresh air.
Keep patient warm and at rest.
- **After skin contact**
Remove contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- **After eye contact**
Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses. Obtain medical attention.
- **After swallowing** Do NOT induce vomiting. Obtain medical attention.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Alcohol resistant foam, CO₂, powders, water spray.
- **For safety reasons unsuitable extinguishing agents** Water jet.
- **5.2 Special hazards arising from the substance or mixture**
Appropriate breathing apparatus may be required.
Cool closed containers exposed to fire with water.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information** Collect run-off from fire fighting.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Ventilate the area.
- **6.2 Environmental precautions:**
Do not allow to enter drains. If the product contaminates rivers and lakes or sewers inform respective authorities.
- **6.3 Methods and material for containment and cleaning up:**
Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations. Clean preferably with a detergent. Avoid use of solvents.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation of vapour. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Comply with health and safety at work laws. Avoid concentrations higher than the occupational exposure limits (see Section 8), if applicable.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Keep container tightly closed. No smoking.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Further information about storage conditions:

Always keep in containers of the same material as the original one. Store in a dry, well ventilated place. Keep away from heat and direct sunlight. Store in accordance with the particular national regulations concerning water pollution.

Note Instructions on the label.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information about design of technical systems:

If relevant apply technical measures to comply with the occupational exposure limits. This can be by a good general extraction and-if practically feasible, be achieved by local exhaust ventilation.

Components with critical values that require monitoring at the workplace:

Numerical data - if specified - are taken from the valid national lists.

DNELs

Polyester Acrylate

Inhalative DNEL workers mg/m³ (rat)

1393932-71-2 2-[[2,2-bis[[[1-oxoallyl]oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate

Dermal DNEL workers 1.67 mg/kg bw/d (human)

Inhalative DNEL workers 5.88 mg/m³ (human) (chronic; systemic)

28961-43-5 Ethoxylated trimethylolpropane triacrylate

Dermal DNEL workers 0.8 mg/kg bw/d (human) (chronic; systemic)

Inhalative DNEL workers 16.2 mg/m³ (human) (chronic; systemic)

PNECs

1393932-71-2 2-[[2,2-bis[[[1-oxoallyl]oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate

PNEC 0.098 mg/kg (soil)

PNEC STP 100 mg/l (STP)

28961-43-5 Ethoxylated trimethylolpropane triacrylate

PNEC 0.006 mg/kg (soil)

PNEC STP 10 mg/l (STP)

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· 8.2 Exposure controls

· Personal protective equipment

· Breathing equipment:

The use of respiratory protective measures, such as masks with filters for organic Vapours and dusts / mists are, in the absence of appropriate technical equipment, necessary for the protection of the employee. If exposure is above the exposure limit, then an appropriate, approved respirator must be worn. Please refer to the appropriate EU standard 14387.

· Protection of hands:

For prolonged or repeated contact use gloves.

Barrier creams may help to protect exposed skin, they should however not be applied once have come into contact with the product.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Use safety eyewear designed to protect against splash of liquids.

· Body protection:

Working clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.

All parts of the skin should be washed after contact.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:

Solid according ADR Annex 2.3.4 or ASTM D 4359-90

Colour:

according to the tradename of the product

· Smell:

characteristic

· Odour threshold:

Not determined.

· pH-value:

Not determined.

· Change in condition

Melting point/freezing point:

not determined

· Flash point:

>100 °C

· Inflammability (solid, gaseous)

Not applicable.

· Decomposition temperature:

Not determined.

· Self-inflammability:

Not determined.

· Explosive properties:

Not determined.

· Critical values for explosion:

Lower: approx.

Not determined.

Upper: approx.

Not determined.

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· Vapour pressure:	Not determined.
· Density at 20 °C	1.103 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
	Not applicable.
· Solubility in / Miscibility with Water:	partly or not miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** No further relevant information available.
- **10.3 Thermal decomposition / conditions to be avoided:**
Stable under recommended storage and handling conditions (see section 7).
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
Keep well away from oxidising agents and strongly alkaline or strongly acid materials in order to avoid exothermic reactions.
- **10.6 Hazardous decomposition products:**
Exposition to high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide and smoke.

SECTION 11: Toxicological information

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and/or GHS -Regulation and classified for toxicological hazards accordingly. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in skin dryness. The product may be absorbed through the skin.

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**

1393932-71-2 2-[[2,2-bis[[[(1-oxoallyl)oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

Inhalative LC50 >5,000 mg/m³ (rat)

28961-43-5 Ethoxylated trimethylolpropane triacrylate

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >13,200 mg/kg (rabbit)

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15305-07-4 Tris(N-hydroxy-N-nitrosophenylaminato-O,O')aluminium

Oral LD50 >2,000 mg/kg (rat)

- **Specific symptoms in biological assay:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

The Product should not be allowed to enter drains of water courses or soil.

- **12.1 Toxicity**
- **Aquatic toxicity:**

1393932-71-2 2-[[2,2-bis[[[(1-oxoallyl)oxy]methyl]butoxy]methyl]-2-ethyl-1,3-propanediyl diacrylate

Fish toxicity 1.2 mg/l (fish) (LC50 96h)

Daphnia toxicity >10 mg/l (daphnia) (RC50 48h)

Algae toxicity >12 mg/l (algae) (EC50 72h)

28961-43-5 Ethoxylated trimethylolpropane triacrylate

Fish toxicity 1.95 mg/l (fish) (LC50, 96 h)

Daphnia toxicity 70.7 mg/l (daphnia) (EC50; 48 h)

Algae toxicity 2.2 mg/l (algae) (ErC50; 72 h)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Do not allow to enter drains.

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- **European waste catalogue**

- 08 03 12* waste ink containing hazardous substances

- **Uncleaned packagings:** Waste

- **Recommendation:**

- Emptied containers should be disposed off into scrap recycling or reconditioning respectively.

- Not orderly emptied cans and ink remnants are special waste.

SECTION 14: Transport information

Not classified according to transport regulations for dangerous goods (like ADR/RID, IMDG and ICAO/IATA).

- **14.1 UN-Number**
- **ADR, IMDG, IATA** -
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** -
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** -
- **14.4 Packing group**
- **ADR, IMDG, IATA** -
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
- None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
- None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
- None of the ingredients is listed.
- **Regulation (EC) No 273/2004 on drug precursors**
- None of the ingredients is listed.

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.

· **Information about limitation of use:**

· **VOC-Content (EU):** 0.00 %

· **Other regulations, limitations and prohibitive regulations**

· **Swiss VOC-Regulation** 0.00 %

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information on this Safety Data Sheet is based on the present state of our knowledge and on current GHS Regulation and national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the product's properties.

· **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.

H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

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

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**

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