Trade name: Krones multicroma M 2201 20 I-BiB

Version: 4 / GB Date revised: 22.02.2021

Substance number: 0905181576 Replaces Version: 3 / GB Print date: 22.02.21

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

1.1. Product identifier

Krones multicroma M 2201 20 I-BiB

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

Use of the substance/preparation

Digital ink

Identified Uses

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites PROC1 Chemical production or refinery in closed process without likelihood of exposure

or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3 Manufacture or formulation in the chemical industry in closed batch processes

with occasional controlled exposure or processes with equivalent containment

condition

PROC4 Chemical production where opportunity for exposure arises

PROC5 Mixing or blending in batch processes

PROC8a Transfer of substance or mixture (charging and discharging) at nondedicated

facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 Roller application or brushing PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring PROC19 Manual activities involving hand contact

ERC4 Industrial use of processing aids in processes and products, not becoming part of

articles

ERC8a Wide dispersive indoor use of processing aids in open systems ERC8d Wide dispersive outdoor use of processing aids in open systems

Uses advised against

SU21 Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

KIC KRONES Internationale Cooperationsgesellschaft mbH

Böhmerwaldstraße 5 93073 Neutraubling

Germany

Telephone no. +49 9401 70-3020 Fax no. +49 9401 70-3696 Information provided Quality Management

by / telephone

E-mail address of quality.management@kic-krones.com

person responsible

for this SDS

1.4. Emergency telephone number

For medical advice (in German and English language): +49 (0) 551 192 40 (Giftinformationszentrum Nord). In case of transport accidents and other emergencies. +44 (0) 1235 239 670 (NCECV, National Chemical Emergency Center)

SECTION 2: Hazards identification

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2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

 Skin Irrit. 2
 H315

 Eye Dam. 1
 H318

 Skin Sens. 1A
 H317

 Repr. 2
 H361fd

 STOT SE 3
 H335

 STOT RE 2
 H373

 Aquatic Chronic 2
 H411

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms









Signal word

Danger

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains 4-(1-Oxo-2-propenyl)-morpholine; Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl

acrylate; 2-Phenoxyethyl acrylate;

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate;

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

UV - curing ink based on reactive acrylates

Hazardous ingredients

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2-Phenoxyethyl acrylate

CAS No. 48145-04-6 EINECS no. 256-360-6

Registration no. 01-2119980532-35

Concentration >= 25 < 50 %

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1A H317 Aquatic Chronic 2 H411 Repr. 2 H361d

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate

CAS No. 5888-33-5 EINECS no. 227-561-6

Registration no. 01-2119957862-25

Concentration >= 20 < 25 %

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 Aquatic Chronic 1 H410 Skin Sens. 1B H317 Aquatic Acute 1 H400

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

CAS No. 75980-60-8 EINECS no. 278-355-8

Registration no. 01-2119972295-29

Concentration >= 10 < 25 %

Classification (Regulation (EC) No. 1272/2008)

Repr. 2 H361f

Skin Sens. 1B H317 Route of exposure: dermal

Aquatic Chronic 2 H411

4-(1-Oxo-2-propenyl)-morpholine

CAS No. 5117-12-4 EINECS no. 418-140-1

Registration no. 01-2120102080-83

Concentration >= 10 < 25 %

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302 Skin Sens. 1 H317 Eye Dam. 1 H318 STOT RE 2 H373

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate

CAS No. 42594-17-2 EINECS no. 255-901-3

Registration no. 01-2120051112-76

Concentration >= 2,5 < 10 %

Classification (Regulation (EC) No. 1272/2008)

Skin Sens. 1B H317

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Aquatic Chronic 2 H411

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 attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. In case of accidental skin contact avoid concurrent exposure to the sun or other sources of UV light, which may increase the sensitivity of skin.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO2-blanket, powders, water spray/mist, Not be used for safety reasons: water iet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon dioxide (CO2); Carbon monoxide (CO); dense black smoke; Nitrogen oxides (NOx)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers or sewage, inform

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appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Skin and eye contact constitutes the principal hazard. Persons with a history of skin sensitisation problems should not be employed in any process in which this mixture is used. Use only in well-ventilated areas. Isolate from sources of heat, sparks and open flame. Avoid skin and eye contact. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Smoking, eating and drinking shall be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses.

Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires B (Combustible liquid substances)

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with national regulation

Hints on storage assembly

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

Observe label precautions. Store between 15 and 30 °C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

Digital ink

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Derived No/Minimal Effect Levels (DNEL/DMEL)

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Long term
Route of exposure oral

Mode of action Systemic effects

Concentration 0,83 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term

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Route of exposure dermal

Mode of action Systemic effects

Concentration 1,39 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group Consumer
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 0,83 mg/kg/d

2-Phenoxyethyl acrylate

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure inhalative
Mode of action Systemic effects

Concentration 12 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure inhalative
Mode of action Local effects

Concentration 77 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 3,5 mg/kg/d

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure dermal

Mode of action Systemic effects

Concentration 1 mg/kg

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Systemic effects

Concentration 3,5 mg/m³

4-(1-Oxo-2-propenyl)-morpholine

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Long term
Route of exposure inhalative
Mode of action Systemic effects

Concentration 132,24 mg/m³

Type of value Derived No Effect Level (DNEL)

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Reference group Worker

Duration of exposure Long term

Route of exposure dermal

Mode of action Systemic effects

Concentration 300 mg/kg/d

Type of value Derived No Effect Level (DNEL)

Reference group

Duration of exposure

Route of exposure

Mode of action

Systemic effects

Concentration

Worker

Short term
inhalative

Systemic effects

Concentration 132,24 mg/m³

Type of value Derived No Effect Level (DNEL)

Reference group Worker
Duration of exposure Short term
Route of exposure dermal

Mode of action Systemic effects

Concentration 300 mg/kg/d

Predicted No Effect Concentration (PNEC)

Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate

Type of value PNEC
Type Saltwater
Concentration 0,0

Concentration 0,0 mg/l

Type of value PNEC

Type Water (intermittent release)

Concentration 0,007 mg/l

Type of value PNEC
Type Freshwater

Concentration 0,001 mg/l

Type of value PNEC

Type Freshwater sediment

Concentration 0,145 mg/kg/d

Type of value PNEC

Type Marine sediment

Concentration 0,015 mg/kg/d

Type of value PNEC Type Soil

Concentration 0,029 mg/kg/d

Type of value PNEC

Type Sewage treatment plant (STP)

Concentration 2 mg/l

2-Phenoxyethyl acrylate

Type of value PNEC
Type Freshwater

Concentration 0,002 mg/l

Type of value PNEC Saltwater

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Concentration 0,0002 mg/l

Type of value PNEC

Type Water (intermittent release)

Concentration 0,0121 mg/l

Type of value PNEC Type Soil

Concentration 0,006 mg/kg

Type of value PNEC

Type Marine sediment

Concentration 0,002 mg/kg

Type of value PNEC

Type Freshwater sediment

Concentration 0,02 mg/kg

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate

Type of value PNEC

Type Freshwater Concentration 1,6

Concentration 1,6 $\mu g/I$

Type of value PNEC Saltwater

Concentration 0,16 µg/l

Type of value PNEC

Type Water (intermittent release)

Concentration 16 µg/l

Type of value PNEC

Type Freshwater sediment

Concentration 0,6576 mg/kg

Type of value PNEC

Type Marine sediment

Concentration 0,06576 mg/kg

Type of value PNEC

Type Sewage treatment plant (STP)

Concentration 10 mg/l

Type of value PNEC Type Soil

Concentration 0,1306 mg/kg

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Type of value PNEC Type Soil

Concentration 0,0557 mg/kg

Type of value PNEC Freshwater

Concentration 0,00353 mg/l

Type of value PNEC

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Type Freshwater sediment

Concentration 0,29 mg/kg

Type of value PNEC
Type Saltwater

Concentration 0,000353 mg/l

Type of value PNEC

Type Marine sediment

Concentration 0,029 mg/kg

Type of value PNEC

Type Water (intermittent release)

Concentration 0,0353 mg/l

4-(1-Oxo-2-propenyl)-morpholine

Type of value PNEC
Type Freshwater

Concentration 0,012 mg/l

Type of value PNEC

Type Freshwater sediment

Concentration 0,009 mg/kg

Type of value PNEC Type Soil

Concentration 0,001 mg/kg

8.2. Exposure controls

Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Respiratory protection

In situations where misting or flying may occur use appropriate certified respirators.

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling nitrile rubber gloves with textile undergloves are required.

Material thickness > 0,5 mm Breakthrough time < 30 min

PVC or rubber gloves are not recommended.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Body protection

Personnel should wear protective clothing.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form liquid, viscous

Colour red

Odour of acrylic monomers

Odour threshold

Remarks No data available

pH value

Remarks Not applicable

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Value appr. 132 °C

Pressure 1.013 hPa

Source Literature value

Flash point

Value > 100 °C

Method ASTM D 6450 (CCCFP)

Evaporation rate (ether = 1):

Remarks not determined

Flammability (solid, gas)

Not applicable

Upper/lower flammability or explosive limits

Remarks not determined

Vapour density

Remarks not determined

Density

Value 1,09 g/cm³

Temperature 20 °C

Method DIN EN ISO 2811

Solubility in water

Remarks partially miscible

Partition coefficient: n-octanol/water

Remarks Not applicable

Ignition temperature

Remarks not determined

Viscosity

Remarks

Remarks not determined

Explosive properties

evaluation no

Oxidising properties

evaluation None known

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9.2. Other information

Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

This mixture contains materials which are unstable under the following conditions: exposure to heat (>50°C), strong UV sources.

10.3. Possibility of hazardous reactions

Keep away from free radical initiators, peroxides, strong alkalis or reactive metals.

10.4. Conditions to avoid

These could cause the product to polymerise exothermically. Unintentional contact with them should be avoided. When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

See chapter 5.2 (Firefighting measures - Special hazards arising from the substance or mixture).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

ATE > 2.000 mg/kg Method calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)

2-Phenoxyethyl acrylate

Species rat

LD50 > 5000 mg/kg

Method OECD 401

4-(1-Oxo-2-propenyl)-morpholine

Species rat

LD50 588 mg/kg

Method OECD 401

Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation

evaluation irritant

Remarks The classification criteria are met.

Serious eye damage/irritation

evaluation corrosive

Remarks The classification criteria are met.

Sensitization

evaluation May cause sensitization by skin contact.

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Remarks The classification criteria are met.

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Reproductive toxicity

evaluation Suspected of damaging fertility. Suspected of damaging the unborn child.

Remarks The classification criteria are met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Single exposure

Remarks The classification criteria are met. evaluation May cause respiratory irritation.

Repeated exposure

Remarks The classification criteria are met.

evaluation May cause damage to organs through prolonged or repeated exposure

Aspiration hazard

Based on available data, the classification criteria are not met.

Experience in practice

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis, etc. Cases of allergic skin reactions have been observed. The liquid splashed in the eyes may cause irritation. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects.

Other information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

SECTION 12: Ecological information

12.1. Toxicity

General information

There are no data available on the mixture itself.Do not allow to enter drains or water courses.The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Fish toxicity (Components)

2-Phenoxyethyl acrylate

LC50 10 mg/l

Duration of exposure 24 h Method OECD 203

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Species zebra fish (Brachydanio rerio)

LC50 < 10 mg/l

Duration of exposure 96 h

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate

Species zebra fish (Brachydanio rerio)

LC50 1,65 mg/l

Duration of exposure 96 h

Method OECD 203

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Daphnia toxicity (Components)

2-Phenoxyethyl acrylate

Species Daphnia magna

EC50 1,21 mq/l

Duration of exposure 48 h

OECD 202 Method

2-Phenoxyethyl acrylate

Daphnia magna **Species**

EC10 0,1 mg/l

Duration of exposure 21 Days

Method **OECD 211**

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Daphnia magna **Species**

EC50 10 mq/l

Duration of exposure 48

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate

Species Daphnia magna

EC50 2.36 mg/l

Duration of exposure 48 h

OECD 202 Method

Algae toxicity (Components)

2-Phenoxyethyl acrylate

Species Desmodesmus

4.4 mg/l

Duration of exposure 72 h

Method ISO 8692

2-Phenoxyethyl acrylate

Species Desmodesmus

EC10 0.71 mg/l

Duration of exposure 72 h

Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide

Species Pseudokirchneriella subcapitata

ErC50 10 mg/l

Duration of exposure 72

(octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate

Species Pseudokirchneriella subcapitata

EC50 1.6 mg/l

Duration of exposure 72 h

OECD 201 Method

Bacteria toxicity (Components)

2-Phenoxyethyl acrylate

Species activated sludge

EC50 177 mg/l

Duration of exposure 3 h

Method **OECD 209**

12.2. Persistence and degradability

General information

No data available

Biodegradability (Components)

2-Phenoxyethyl acrylate

Value % 22,3

28 **Duration of test** Days

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Method OECD 301 D

12.3. Bioaccumulative potential

General information

There are no data available on the mixture itself.

Partition coefficient: n-octanol/water

Remarks Not applicable

Octanol/water partition coefficient (log Pow) (Components)

2-Phenoxyethyl acrylate

log Pow2,58Temperature25°CMethodOECD 117

12.4. Mobility in soil

General information

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

General information

There are no data available on the mixture itself.

12.6. Other adverse effects

General information

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Do not allow to enter drains or water courses.

Wastes and emptied containers should be classified in accordance with relevant national regulation.

The European Waste Catalogue classification of this product, when disposed of as waste is EWC waste code 08 03 12* waste ink containing dangerous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information contact your local waste authority.

Disposal recommendations for packaging

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Not emptied containers are hazardous waste (waste code number 150110).

SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	-		
14.1. UN number	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Phenoxyethyl acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Phenoxyethyl acrylate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-Phenoxyethyl acrylate)
14.3. Transport hazard class(es)	9	9	9
Label	*	<u> </u>	
14.4. Packing group	III	III	III
Limited Quantity	5 L		
Transport category	3		
14.5. Environmental hazards	ENVIRONMENTALLY HAZARDOUS	Marine Pollutant	ENVIRONMENTALLY HAZARDOUS

Information for all modes of transport

14.6. Special precautions for user

Transport within the user's premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Other information

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

SECTION 15: Regulatory information

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

Major-accident categories acc. 96/82/EC

Category 9.II Dangerous for environment 200.000 kg 500.000 kg

VOC

VOC (EU) 0,02 %

VOC (EU) 0,2 g/l

Other information

The product does not contain substances of very high concern (SVHC).

Trade name: Krones multicroma M 2201 20 I-BiB

Version: 4 / GB Date revised: 22.02.2021

Substance number: 0905181576 Replaces Version: 3 / GB Print date: 22.02.21

Other information

All components are contained in the TSCA inventory or exempted.

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

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.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

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.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4

Aquatic Acute 1 Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2 Hazardous to the aquatic environment, chronic, Category 2

Eve Dam. 1 Serious eye damage, Category 1

Eye Irrit. 2 Eye irritation, Category 2
Repr. 2 Reproductive toxicity, Category 2
Skin Irrit. 2 Skin irritation, Category 2
Skin Sens. 1 Skin sensitization, Category 1
Skin Sens. 1A Skin sensitization, Category 1A
Skin Sens. 1B Skin sensitization, Category 1B

STOT RE 2 Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3 Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information in this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.