

Diese Datei enthält die Sicherheitsdatenblätter zu allen Farbtönen, Sets und Displays der SOLO GOYA Acrylic. Sie enthält Bestandteile mit unterschiedlicher Kennzeichnung. Die Erstellung eines gemeinsamen Sicherheitsdatenblattes ist daher nicht möglich. Deshalb finden sich im Anhang die Sicherheitsdatenblätter zu den einzelnen Bestandteilen.

This file contains the safety data sheets for all colors, sets and displays for SOLO GOYA Acrylic. It contains components with different labels. It is therefore not possible to create a unique safety data sheet. The safety data sheets for the individual components can be found in the appendix.

Folgende Sets und Displays sind enthalten / Following sets and displays are included:

Artikelnummer / Article number 84160
Handelsname / Trade name SOLO GOYA Acrylic 100 ml Tuben 6er Set /
SOLO GOYA Acrylic 100 ml tubes Set of 6

Bestandteile / Components:

SOLO GOYA Acrylic Weiß 100 ml / SOLO GOYA Acrylic White 100 ml
SOLO GOYA Acrylic Kadmiumgelb 100 ml / SOLO GOYA Acrylic Cadmium Yellow 100 ml
SOLO GOYA Acrylic Zinnoberrot 100 ml / SOLO GOYA Acrylic Vermillion 100 ml
SOLO GOYA Acrylic Kobaltblau 100 ml / SOLO GOYA Acrylic Cobalt Blue 100 ml
SOLO GOYA Acrylic Laubgrün 100 ml / SOLO GOYA Acrylic Foliage Green 100 ml
SOLO GOYA Acrylic Schwarz 100 ml / SOLO GOYA Acrylic Black 100 ml

Artikelnummer / Article number 84170
Handelsname / Trade name SOLO GOYA Acrylic 100 ml Tuben 10er Set /
SOLO GOYA Acrylic 100 ml tubes Set of 10

Bestandteile / Components:

SOLO GOYA Acrylic Weiß 100 ml / SOLO GOYA Acrylic White 100 ml
SOLO GOYA Acrylic Kadmiumgelb 100 ml / SOLO GOYA Acrylic Cadmium Yellow 100 ml
SOLO GOYA Acrylic Echtgelb hell 100 ml / SOLO GOYA Acrylic Genuine Yellow Light 100 ml
SOLO GOYA Acrylic Ectorange 100 ml / SOLO GOYA Acrylic Genuine Orange 100 ml
SOLO GOYA Acrylic Zinnoberrot 100 ml / SOLO GOYA Acrylic Vermillion 100 ml
SOLO GOYA Acrylic Gelbgrün 100 ml / SOLO GOYA Acrylic Yellowish Green 100 ml
SOLO GOYA Acrylic Laubgrün 100 ml / SOLO GOYA Acrylic Foliage Green 100 ml
SOLO GOYA Acrylic Ultramarinblau 100 ml / SOLO GOYA Acrylic Ultramarine Blue 100 ml
SOLO GOYA Acrylic Oxidbraun 100 ml / SOLO GOYA Acrylic Oxide Brown 100 ml
SOLO GOYA Acrylic Schwarz 100 ml / SOLO GOYA Acrylic Black 100 ml

Artikelnummer / Article number 84171
Handelsname / Trade name SOLO GOYA Acrylic 20 ml Tuben 8er Set /
SOLO GOYA Acrylic 20 ml tubes Set of 8

Bestandteile / Components:

SOLO GOYA Acrylic Weiß 20 ml / SOLO GOYA Acrylic White 20 ml
SOLO GOYA Acrylic Zitron 20 ml / SOLO GOYA Acrylic Citron 20 ml
SOLO GOYA Acrylic Zinnoberrot 20 ml / SOLO GOYA Acrylic Vermillion 20 ml
SOLO GOYA Acrylic Magenta 20 ml / SOLO GOYA Acrylic Magenta 20 ml
SOLO GOYA Acrylic Ultramarinblau 20 ml / SOLO GOYA Acrylic Ultramarine Blue 20 ml

SOLO GOYA Acrylic Dunkelbraun 20 ml / SOLO GOYA Acrylic Dark Brown 20 ml
SOLO GOYA Acrylic Schwarz 20 ml / SOLO GOYA Acrylic Black 20 ml
SOLO GOYA Acrylic Permanentgrün 20 ml / SOLO GOYA Acrylic Permanent Green 20 ml

Artikelnummer / Article number 84172

Handelsname / Trade name SOLO GOYA Acrylic 20 ml Tuben 16er Set /
SOLO GOYA Acrylic 20 ml tubes Set of 16

Bestandteile / Components:

SOLO GOYA Acrylic Weiß 20 ml / SOLO GOYA Acrylic White 20 ml
SOLO GOYA Acrylic Zitron 20 ml / SOLO GOYA Acrylic Citron 20 ml
SOLO GOYA Acrylic Kadmiumgelb 20 ml / SOLO GOYA Acrylic Cadmium Yellow 20 ml
SOLO GOYA Acrylic Echteorange 20 ml / SOLO GOYA Acrylic Genuine Orange 20 ml
SOLO GOYA Acrylic Zinnoberrot 20 ml / SOLO GOYA Acrylic Vermilion 20 ml
SOLO GOYA Acrylic Magenta 20 ml / SOLO GOYA Acrylic Magenta 20 ml
SOLO GOYA Acrylic Primärblau 20 ml / SOLO GOYA Acrylic Primary Blue 20 ml
SOLO GOYA Acrylic Violett 20 ml / SOLO GOYA Acrylic Violet 20 ml
SOLO GOYA Acrylic Ultramarinblau 20 ml / SOLO GOYA Acrylic Ultramarine Blue 20 ml
SOLO GOYA Acrylic Gelbgrün 20 ml / SOLO GOYA Acrylic Yellowish Green 20 ml
SOLO GOYA Acrylic Lichter Ocker 20 ml / SOLO GOYA Acrylic Light Ocher 20 ml
SOLO GOYA Acrylic Dunkelbraun 20 ml / SOLO GOYA Acrylic Dark Brown 20 ml
SOLO GOYA Acrylic Schwarz 20 ml / SOLO GOYA Acrylic Black 20 ml
SOLO GOYA Acrylic Echtrrot 20 ml / SOLO GOYA Acrylic Genuine Red 20 ml
SOLO GOYA Acrylic Permanentgrün 20 ml / SOLO GOYA Acrylic Permanent Green 20 ml
SOLO GOYA Acrylic Goldocker 20 ml / SOLO GOYA Acrylic Gold Ocher 20 ml

Artikelnummer / Article number 84173

Handelsname / Trade name SOLO GOYA Acrylic 20 ml Tuben 32er Set /
SOLO GOYA Acrylic 20 ml tubes set of 32

Bestandteile / Components:

SOLO GOYA Acrylic Echtegelb hell 20 ml / SOLO GOYA Acrylic Genuine Yellow Light 20 ml
SOLO GOYA Acrylic Indischgelb 20 ml / SOLO GOYA Acrylic Indian Yellow 20 ml
SOLO GOYA Acrylic Karminrot 20 ml / SOLO GOYA Carmine Red 20 ml
SOLO GOYA Acrylic Weinrot 20 ml / SOLO GOYA Wine Red 20 ml
SOLO GOYA Acrylic Coelinblau 20 ml / SOLO GOYA Acrylic Cerulean Blue 20 ml
SOLO GOYA Acrylic Kobaltblau 20 ml / SOLO GOYA Acrylic Cobalt Blue 20 ml
SOLO GOYA Acrylic Türkis 20 ml / SOLO GOYA Acrylic Turquoise 20 ml
SOLO GOYA Acrylic Laubgrün 20 ml / SOLO GOYA Acrylic Foliage Green 20 ml
SOLO GOYA Acrylic Beige 20 ml / SOLO GOYA Acrylic Beige 20 ml
SOLO GOYA Acrylic Pastellrosa 20 ml / SOLO GOYA Acrylic Pastel Rose 20 ml
SOLO GOYA Acrylic Lichtblau 20 ml / SOLO GOYA Acrylic Light Blue 20 ml
SOLO GOYA Acrylic Oxidbraun 20 ml / SOLO GOYA Acrylic Oxide Brown 20 ml
SOLO GOYA Acrylic Elfenbein 20 ml / SOLO GOYA Acrylic Ivory 20 ml
SOLO GOYA Acrylic Rosé 20 ml / SOLO GOYA Acrylic Rosé 20 ml
SOLO GOYA Acrylic Lichtgrün 20 ml / SOLO GOYA Acrylic Light Green 20 ml
SOLO GOYA Acrylic Terracotta 20 ml / SOLO GOYA Acrylic Terracotta 20 ml
SOLO GOYA Acrylic Weiß 20 ml / SOLO GOYA Acrylic White 20 ml
SOLO GOYA Acrylic Schwarz 20 ml / SOLO GOYA Acrylic Black 20 ml
SOLO GOYA Acrylic Zinnoberrot 20 ml / SOLO GOYA Acrylic Vermilion 20 ml
SOLO GOYA Acrylic Primärblau 20 ml / SOLO GOYA Acrylic Primary Blue 20 ml
SOLO GOYA Acrylic Gelbgrün 20 ml / SOLO GOYA Acrylic Yellowish Green 20 ml
SOLO GOYA Acrylic Violett 20 ml / SOLO GOYA Acrylic Violet 20 ml

SOLO GOYA Acrylic Dunkelbraun 20 ml / SOLO GOYA Acrylic Dark Brown 20 ml
SOLO GOYA Acrylic Echtorange 20 ml / SOLO GOYA Acrylic Genuine Orange 20 ml
SOLO GOYA Acrylic Kadmiumgelb 20 ml / SOLO GOYA Acrylic Cadmium Yellow 20 ml
SOLO GOYA Acrylic Magenta 20 ml / SOLO GOYA Acrylic Magenta 20 ml
SOLO GOYA Acrylic Ultramarinblau 20 ml / SOLO GOYA Acrylic Ultramarine Blue 20 ml
SOLO GOYA Acrylic Echrot 20 ml / SOLO GOYA Acrylic Genuine Red 20 ml
SOLO GOYA Acrylic Permanentgrün 20 ml / SOLO GOYA Acrylic Permanent Green 20 ml
SOLO GOYA Acrylic Goldocker 20 ml / SOLO GOYA Acrylic Gold Ocher 20 ml
SOLO GOYA Acrylic Lichter Ocker 20 ml / SOLO GOYA Acrylic Light Ocher 20 ml
SOLO GOYA Acrylic Zitron 20 ml / SOLO GOYA Acrylic Citron 20 ml

Artikelnummer / Article number 84177

Handelsname / Trade name SOLO GOYA Acrylic 20 ml Tuben 8er Set Mixed Colors /
SOLO GOYA Acrylic 20 ml tubes Set of 8 Mixed Colors

Bestandteile / Components:

SOLO GOYA Acrylic Echtgelb hell 20 ml / SOLO GOYA Acrylic Genuine Yellow Light 20 ml
SOLO GOYA Acrylic Echtorange 20 ml / SOLO GOYA Acrylic Genuine Orange 20 ml
SOLO GOYA Acrylic Rosé 20 ml / SOLO GOYA Acrylic Rosé 20 ml
SOLO GOYA Acrylic Violett 20 ml / SOLO GOYA Acrylic Violet 20 ml
SOLO GOYA Acrylic Gelbgrün 20 ml / SOLO GOYA Acrylic Yellowish Green 20 ml
SOLO GOYA Acrylic Türkis 20 ml / SOLO GOYA Acrylic Turquoise 20 ml
SOLO GOYA Acrylic Primärblau 20 ml / SOLO GOYA Acrylic Primary Blue 20 ml
SOLO GOYA Acrylic Neutralgrau 20 ml / SOLO GOYA Acrylic Neutral Gray 20 ml

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

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

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

· **1.1 Product identifier**

· **Trade name:** **SOLO GOYA Acrylic White, Cadmium Yellow, Yellowish Green, Silver, Gold, Beige, Pastel Rose, Light Blue, Ivory, Apricot, Rosé, Turquoise, Light Green, Terracotta, Copper, Neutral Gray 20 ml, 100 ml, 250 ml**

· **Article number:**

84101, 84103, 84118, 84127, 84128, 84129, 84130, 84132, 84136, 84137, 84138, 84139, 84140, 84141, 84142, 84146, 84201, 84203, 84218, 84227, 84228, 84229, 84232, 84236, 84238, 84239, 84240, 84242

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

No further relevant information available.

· **Application of the substance / the mixture**

Paint

For artists and hobby user.

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

· **Manufacturer/Supplier:**

C. KREUL GmbH & Co. KG

Carl-Kreul-Straße 2

D-91352 HALLERNDORF

GERMANY

Phone: + 49 (0) 9545/925 - 0

Fax: + 49 (0) 9545/925 - 511

info@c-kreul.de

· **Further information obtainable from:**

Product Safety Department:

Treiber, b.treiber@c-kreul.de

· **1.4 Emergency telephone number:**

Phone: + 49 (0) 9545/925 - 0

Fax: + 49 (0) 9545/925 - 511

(Monday - Thursday 8.00 - 17.00, Friday 8.00 - 15.00)

2 Hazards identification

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

· **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the GB CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Additional information:**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **3.2 Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 13463-67-7	titanium dioxide	1-<10%
EINECS: 236-675-5	☠ Carc. 2, H351	
Index number: 022-006-00-2		
Reg.nr.: 01-2119489379-17-XXXX		

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

		(Contd. of page 1)
CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23-XXXX	Propylene glycol substance with a Community workplace exposure limit	0.5–<2.5%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one ⚠ Acute Tox. 1, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	0.005–<0.05%
CAS: 55965-84-9 Index number: 613-167-00-5	5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	0.00025–<0.0015%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

· 4.1 Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with water and acidic soap.
If skin irritation continues, consult a doctor.

· **After eye contact:**

Remove contact lenses.
Rinse opened eye for several minutes under running water.

· **After swallowing:**

If symptoms persist consult doctor.
Rinse out mouth and then drink plenty of water.

· **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.

5 Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

· 5.3 Advice for firefighters

· **Protective equipment:** Mouth respiratory protective device.

· **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

· 6.2 Environmental precautions:

Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

· 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 disposal information.

7 Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:**

No special measures required.
The product is not flammable.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 - Protect from frost.
 - Protect from heat and direct sunlight.
- **Storage class:** 12
- **7.3 Specific end use(s)** See chapter 1.2.

8 Exposure controls/personal protection

· 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

57-55-6 Propylene glycol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
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· DNELs

57-55-6 Propylene glycol

Inhalative	chronic - local effect	10 mg/m ³ /long-term (general population) 10 mg/m ³ /long-term (worker)
	chronic - systemic effect	50 mg/m ³ /long term (general population) 168 mg/m ³ /long-term (worker)

· PNECs

57-55-6 Propylene glycol

water	183 mg/l
freshwater	260 mg/l
marine water	26 mg/l
sewage treatment plant (STP)	20,000 mg/l
freshwater sediment	572 mg/kg
marine sediment	57.2 mg/kg
soil	50 mg/kg

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
 - Do not eat, drink, smoke or sniff while working.
 - Avoid contact with the eyes and skin.
 - Do not inhale gases / fumes / aerosols.
 - Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Hand protection**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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/face protection** Goggles recommended during refilling

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 3)

· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH at 20 °C	6–9
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
· Density and/or relative density	
· Density at 20 °C:	1.05–1.55 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

13463-67-7 titanium dioxide

Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4h	>6.82 mg/m ³ (rat)

57-55-6 Propylene glycol

Oral	LD50	22,000 mg/kg (rat) (ECHA)
Dermal	LD50	>2,000 mg/kg (rabbit) (ECHA)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	490 mg/kg (rat)
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(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 4)

Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4h	0.05 mg/m ³ (ATE)
55965-84-9 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)		
Oral	LD50	64 mg/kg (rat)
Dermal	LD50	87 mg/kg (rab)
Inhalative	LC50/4h	0.05 mg/m ³ (ATE)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

13463-67-7 titanium dioxide

EC50	>100 mg/l (pseudokirchneriella subcapitata) (OECD 201)
	>10,000 mg/l (skeletonema costatum) (ISO 10253)
NOEC	>100,000 mg/l (hyalella azteca) (ASTM 1706)
LC50	>10,000 mg/l (acartia tonsa) (ISO 14669 (1999) ISO 5667-16 (1998))
	>1,000 mg/l (daphnia magna) (OECD 202)
	>1,000 mg/l (pimephales promelas) (EPA-540/9-85-006)

57-55-6 Propylene glycol

LC50/96h	40,613 mg/l (oncorhynchus mykiss) (ECHA)
LC50/48h	18,340 mg/l (ceriodaphnia dubia) (ECHA)
ErC50/72h	19,300 mg/l (skeletonema costatum) (ECHA)
NOEC/18h	>20,000 mg/l (pseudomonas putida) (ECHA)
NOEC/7d	13,020 mg/l (ceriodaphnia dubia) (ECHA)
NOEC/14d	<5,300 mg/l (skeletonema costatum) (ECHA)

2634-33-5 1,2-benzisothiazol-3(2H)-one

LC50/96h	1.6 mg/l (oncorhynchus mykiss)
EC50/48h	2.94 mg/l (daphnia magna)
EC50/72h	0.11 mg/l (selenastrum capricornutum)
EC10/72h	0.04 mg/l (selenastrum capricornutum)
ErC50/72h	0.11 mg/l (pseudokirchneriella subcapitata)
NOEC/21d	1.2 mg/l (daphnia)
NOEC/72h	0.027 mg/l (skeletonema costatum)
NOEC/28d	0.21 mg/l (oncorhynchus mykiss)

55965-84-9 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

LC50/96h	0.22 mg/l (oncorhynchus mykiss) (RAC)
EC50/48h	0.1 mg/l (daphnia magna)
EC50/72h	0.048 mg/l (pseudokirchneriella subcapitata)
NOEC	0.004 mg/l (daphnia magna) (OECD 211)
ErC50	0.0049 mg/l /120h (skeletonema costatum)
NOEC/21d	0.004 mg/l (daphnia)
NOEC/48d	0.00064 mg/l (skeletonema costatum)
NOEC/72h	0.0012 mg/l (pseudokirchneriella subcapitata) (OECD 201)
NOEC/28d	0.098 mg/l (oncorhynchus mykiss) (OECD 210)

· **12.2 Persistence and degradability**

57-55-6 Propylene glycol

Carbon dioxide production	81.7 % /28d (OECD 301 F)
DOC removal	98.3 % /28d (OECD 301 F)
Oxygen consumption	106.8 % /28d (OECD 301 F)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 5)

- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number | |
| · ADR, IMDG, IATA | not regulated |
| · 14.2 UN proper shipping name | |
| · ADR, IMDG, IATA | not regulated |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | not regulated |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | not regulated |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | not regulated |

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H351 Suspected of causing cancer.
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.
- **Department issuing SDS:** Product Safety Department
- **Contact:** B. Treiber, b.treiber@c-kreul.de
- **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

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 6)

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 (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Acute Tox. 1: Acute toxicity – Category 1
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Carc. 2: Carcinogenicity – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
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

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

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

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

1.1 Product identifier

· **Trade name:** SOLO GOYA Acrylic Citron, Genuine Yellow Light, Indian Yellow, Genuine Orange, Vermilion, Carmine Red, Magenta, Wine Red, Burnt Sienna reddish, Primary Blue, Cerulean Blue, Violet, Cobalt Blue, Ultramarine Blue, Turquoise, Dark Green, Foliage Green, Green Earth, Light Ocher, Umber, Dark Brown, Paynes Grey, Black, Genuine Red, Permanent Green, Gold Ocher, Oxide Brown, Vermilion light, Fluorescent Yellow, Fluorescent Pink 20 ml, 100 ml, 250 ml

Article number:

84102, 84104, 84105, 84106, 84107, 84108, 84109, 84110, 84111, 84112, 84113, 84114, 84115, 84116, 84117, 84119, 84120, 84121, 84122, 84123, 84124, 84125, 84126, 84131, 84133, 84134, 84135, 84145, 84147, 84148, 84202, 84204, 84205, 84206, 84207, 84208, 84209, 84210, 84212, 84213, 84214, 84215, 84216, 84217, 84219, 84220, 84221, 84222, 84223, 84224, 84225, 84226, 84231, 84233, 84234, 84235

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

No further relevant information available.

Application of the substance / the mixture

Paint

For artists and hobby user.

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

C. KREUL GmbH & Co. KG

Carl-Kreul-Straße 2

D-91352 HALLERNDORF

GERMANY

Phone: + 49 (0) 9545/925 - 0

Fax: + 49 (0) 9545/925 - 511

info@c-kreul.de

Further information obtainable from:

Product Safety Department:

Treiber, b.treiber@c-kreul.de

1.4 Emergency telephone number:

Phone: + 49 (0) 9545/925 - 0

Fax: + 49 (0) 9545/925 - 511

(Monday - Thursday 8.00 - 17.00, Friday 8.00 - 15.00)

2 Hazards identification

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

The product is not classified, according to the GB CLP regulation.

2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

Additional information:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3 Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

3.2 Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 1)

· Dangerous components:

CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23-XXXX	Propylene glycol substance with a Community workplace exposure limit	0.5–<2.5%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6 Reg.nr.: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one ⚠ Acute Tox. 1, H330; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	0.005-<0.05%
CAS: 55965-84-9 Index number: 613-167-00-5	5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sens. 1A, H317 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	0.00025–<0.0015%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

· 4.1 Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with water and acidic soap.
If skin irritation continues, consult a doctor.

· **After eye contact:**

Remove contact lenses.
Rinse opened eye for several minutes under running water.

· **After swallowing:**

If symptoms persist consult doctor.
Rinse out mouth and then drink plenty of water.

· **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.

5 Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

· 5.3 Advice for firefighters

· **Protective equipment:** Mouth respiratory protective device.

· **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.

· 6.2 Environmental precautions:

Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

· 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 disposal information.

7 Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.

· **Information about fire - and explosion protection:**

No special measures required.
The product is not flammable.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 - Protect from frost.
 - Protect from heat and direct sunlight.
- **Storage class:** 12
- **7.3 Specific end use(s)** See chapter 1.2.

8 Exposure controls/personal protection

· 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

57-55-6 Propylene glycol

WEL	Long-term value: 474* 10** mg/m ³ , 150* ppm *total vapour and particulates **particulates
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· DNELs

57-55-6 Propylene glycol

Inhalative	chronic - local effect	10 mg/m ³ /long-term (general population) 10 mg/m ³ /long-term (worker)
	chronic - systemic effect	50 mg/m ³ /long term (general population) 168 mg/m ³ /long-term (worker)

· PNECs

57-55-6 Propylene glycol

water	183 mg/l
freshwater	260 mg/l
marine water	26 mg/l
sewage treatment plant (STP)	20,000 mg/l
freshwater sediment	572 mg/kg
marine sediment	57.2 mg/kg
soil	50 mg/kg

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
 - Do not eat, drink, smoke or sniff while working.
 - Avoid contact with the eyes and skin.
 - Do not inhale gases / fumes / aerosols.
 - Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Hand protection**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **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/face protection** Goggles recommended during refilling

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 3)

· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH at 20 °C	6–9
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
· Density and/or relative density	
· Density at 20 °C:	1.05–1.55 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases	
in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

10 Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

57-55-6 Propylene glycol

Oral	LD50	22,000 mg/kg (rat) (ECHA)
Dermal	LD50	>2,000 mg/kg (rabbit) (ECHA)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	490 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4h	0.05 mg/m ³ (ATE)

55965-84-9 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Oral	LD50	64 mg/kg (rat)
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(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 4)

Dermal	LD50	87 mg/kg (rab)
Inhalative	LC50/4h	0.05 mg/m ³ (ATE)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

57-55-6 Propylene glycol

LC50/96h	40,613 mg/l (oncorhynchus mykiss) (ECHA)
LC50/48h	18,340 mg/l (ceriodaphnia dubia) (ECHA)
ErC50/72h	19,300 mg/l (skeletonema costatum) (ECHA)
NOEC/18h	>20,000 mg/l (pseudomonas putida) (ECHA)
NOEC/7d	13,020 mg/l (ceriodaphnia dubia) (ECHA)
NOEC/14d	<5,300 mg/l (skeletonema costatum) (ECHA)

2634-33-5 1,2-benzisothiazol-3(2H)-one

LC50/96h	1.6 mg/l (oncorhynchus mykiss)
EC50/48h	2.94 mg/l (daphnia magna)
EC50/72h	0.11 mg/l (selenastrum capricornutum)
EC10/72h	0.04 mg/l (selenastrum capricornutum)
ErC50/72h	0.11 mg/l (pseudokirchneriella subcapitata)
NOEC/21d	1.2 mg/l (daphnia)
NOEC/72h	0.027 mg/l (skeletonema costatum)
NOEC/28d	0.21 mg/l (oncorhynchus mykiss)

55965-84-9 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

LC50/96h	0.22 mg/l (oncorhynchus mykiss) (RAC)
EC50/48h	0.1 mg/l (daphnia magna)
EC50/72h	0.048 mg/l (pseudokirchneriella subcapitata)
NOEC	0.004 mg/l (daphnia magna) (OECD 211)
ErC50	0.0049 mg/l /120h (skeletonema costatum)
NOEC/21d	0.004 mg/l (daphnia)
NOEC/48d	0.00064 mg/l (skeletonema costatum)
NOEC/72h	0.0012 mg/l (pseudokirchneriella subcapitata) (OECD 201)
NOEC/28d	0.098 mg/l (oncorhynchus mykiss) (OECD 210)

- **12.2 Persistence and degradability**

57-55-6 Propylene glycol

Carbon dioxide production	81.7 % /28d (OECD 301 F)
DOC removal	98.3 % /28d (OECD 301 F)
Oxygen consumption	106.8 % /28d (OECD 301 F)

- **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 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

GB

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 5)

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- | | |
|---|-----------------|
| · 14.1 UN number or ID number
· ADR, IMDG, IATA | not regulated |
| · 14.2 UN proper shipping name
· ADR, IMDG, IATA | not regulated |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | not regulated |
| · 14.4 Packing group
· ADR, IMDG, IATA | not regulated |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | not regulated |

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
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.
- **Department issuing SDS:** Product Safety Department
- **Contact:** B. Treiber, b.treiber@c-kreul.de
- **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)
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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 (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Acute Tox. 1: Acute toxicity – Category 1
Skin Corr. 1C: Skin corrosion/irritation – Category 1C

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.02.2023

Version number 3.1 (replaces version 3.0)

Revision: 27.02.2023

(Contd. of page 6)

Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
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
· * **Data compared to the previous version altered.**

GB