



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

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

- **1.1 Product identifier**
- **Trade name:** Translucent Dyes for Epoxy Resin

- **Article number:** CTR
- **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**
Field: Industry
Employ: Professional
Usage: High concentrated dyestuff for glass
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
STARDUSTCOLORS SAS
Za de Tesan - Plan Sud
30126 St Laurent des Arbres
FRANCE
<https://www.stardustcolors.com/>
- **Further information obtainable from:** info@stardustcolors.com
- **Interlocutor:** Technical office
- **1.4 Emergency telephone number:**
ORFILA: + (33) 01 45 42 59 59

SECTION 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 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:**
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Organic solution of metalcomplexed dyestuffs and additives.

Dangerous components:

CAS: 34590-94-8	(2-methoxymethylethoxy)propanol	75-100%
EINECS: 252-104-2	substance with a Community workplace exposure limit	
Reg.nr.: 01-2119450011-60-XXXX		

(Contd. on page 2)



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

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

Trade name: CTR - Translucent Dyes for Epoxy Resin

(Contd. of page 1)

· **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:**

No special measures required.



If doubtful or if symptoms of uneasiness persist, turn immediately to a doctor. Never give anything orally if the injured is unconscious.

· **After inhalation:**

Remove the injured to fresh air. If unconscious, place patient in recovery position. Keep the injured covered while waiting for the doctor.

· **After skin contact:**

Remove contaminated clothing. Wash the contaminated parts with copious amount of fresh or tepid water and neutral soap, or with another product suitable for skin cleansing. Do not use solvents.

· **After eye contact:**

Remove contact lenses. Flush with copious amounts of fresh water for at least 15 minutes, keeping eyelids well opened, until the irritation stops. Immediate specialized medical care is required.

· **After swallowing:**

If swallowed, immediately consult a doctor and show him the container or the label. Do not induce vomiting. Keep the injured at rest.

· **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:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.· **5.2 Special hazards arising from the substance or mixture**

(Contd. on page 3)



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

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

Trade name: CTR - Translucent Dyes for Epoxy Resin

(Contd. of page 2)

Fire produces black and dense fumes. As a consequence of combustion, or thermal decomposition, hazardous products can develop: carbon monoxide, carbon dioxide, nitric oxide, isocyanate vapours, small amounts of hydrocyanic acid, halogenated compounds, chloridric acid. Exposure to combustion or decomposition products can affect health care.

· 5.3 Advice for firefighters**· Protective equipment:**

Depending on the size of the fire, it can be necessary the use of: heat protective clothing, self-contained respirator, gloves, safety goggles, facial mask and boots.

· Additional information

Keep containers and cisterns near fire cool with water spray. Take into consideration wind direction. Avoid the flow of fire-fighting products into the drains or rivers.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Keep away every possible source of flame or ignition and aerate. Do not smoke. Avoid direct contact with the product. Do not breath vapours. For exposure controls and personal protection see section 8.

· 6.2 Environmental precautions:

Avoid contamination of drains, soil and superficial or subterranean waters.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Bunch the liquid released with non combusting absorbent materials (earth, sand, vermiculite, infusorial earth, etc.).

Avoid the use of solvents. Place waste into closed containers and, for disposal, follow the advices of section 13.

· 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

General advices:

Avoid every kind of release or leak. Do not leave containers open. Use only in well ventilated work areas.

Apply every measure necessary to protect the environment (e.g. filters or scrubbers in the ventilation plant, devices for collection and disposal of releases, etc.); pay particular attention to wash water.



Do not eat nor drink on workplace.

· **Handling:** Apply local regulations and handle in accordance with good industrial hygiene and safety practice.

· **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 4)



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

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

Trade name: CTR - Translucent Dyes for Epoxy Resin

(Contd. of page 3)

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **General advices:**



Forbid access to unauthorized personnel.



Store in well ventilated area, far from heat sources, with electric plant in accordance with the law and in accordance with the quantity and kind of stored substances; protect from atmospheric discharges. Availability of suitable extinguishing media. To avoid accidental releases the opened containers must be tightly closed and put upright.

Maximum storage time: 9 Months

Temperature range: 5 - 40° C

Incompatible materials: keep away from oxidizing agents, highly alkaline materials and strong acids.

Packaging: preserve in stainless steel, polythene and polypropylene. For seals it is suggested the usage of PTFE, Viton® or EPDM. Make anyway a precautionary test for chemical compatibility.

· **Information about storage in one common storage facility:**

Separate the products stocked by class of danger in different storage rooms far from incompatible products.

· **Further information about storage conditions:** None.

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

SECTION 8: Exposure controls/personal protection

· **General advices:**

Ensure adequate ventilation: it must be granted a good local ventilation and a good general change of air. If these measures aren't enough in order to keep particles and vapours under the professional exposure limit, it is necessary the usage of suitable respiratory protection.

· **8.1 Control parameters**

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

34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 308 mg/m ³ , 50 ppm
Sk	

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:**

Avoid inhalation of vapours / spray.



Respiratory protection (EN 149:2001- FFP2).

(Contd. on page 5)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

Trade name: CTR - Translucent Dyes for Epoxy Resin

(Contd. of page 4)

· Protection of hands:

Chemical resistant protective gloves (EN 374).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· 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:** Goggles recommended during refilling
- **Body protection:**
- **Light protective clothing** EN 340

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties**· General Information****· Appearance:**

· Form:	Liquid
· Colour:	Various
· Odour:	Characteristic Not determined.
· Odour threshold:	

· **pH-value at 20 °C:** 8,0-11,0 (1:1 Acqua/Water)

· Change in condition

· **Melting point/freezing point:** Undetermined.
· **Initial boiling point and boiling range:** ≈ 188 °C (Calcolato/Calculated)

· **Flash point:** 75 ± 5 °C (Gmehling&Ramussen-1982)

· **Flammability (solid, gas):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· Explosion limits:

· **Lower:** Not determined.
· **Upper:** Not determined.

· **Vapour pressure:** Not determined.

· **Density at 20 °C:** 0,98 Kg/l $\pm 2\%$
· **Relative density** Not determined.
· **Vapour density** Not determined.
· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with water:** Not determined.

· **Partition coefficient: n-octanol/water:** Not determined.

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

Trade name: CTR - Translucent Dyes for Epoxy Resin

(Contd. of page 5)

· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
VOC (EC) - (Tolerance ± 5%)	741.9 g/l
VOC% (CE) - (Tolerance ± 5%)	75.70 %
· Dry content:	24 ± 3 % (Calcolato/Calculated)
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No hazardous reactions when stored and handled properly
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
See Section 7 for information on safe handling.
- **10.3 Possibility of hazardous reactions**
Can react with reducing agents, oxidising agents, concentrated acids and concentrated bases.
- **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.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:**34590-94-8 (2-methoxymethylethoxy)propanol**

Oral	LD50	>5,000 mg/kg (ratto - rat)
Dermal	LD50	>19,020 mg/kg (coniglio - rabbit)
Inhalative	LC50	>275 ppm (ratto - rat) (7h)

- **Primary irritant effect:**
- **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.
- **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.

GB

(Contd. on page 7)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

Trade name: CTR - Translucent Dyes for Epoxy Resin

(Contd. of page 6)

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

34590-94-8 (2-methoxymethylethoxy)propanol

EC50	>969 mg/l (algae) (96h)
	1,919 mg/l (daphnia) (48h)
	>969 mg/l (selenastrum capricornutum) (72h)
LC50	>1,000 mg/l (poecilia reticulata) (96h)

· 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.

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

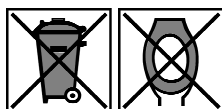
· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Smaller quantities can be disposed of with household waste.



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Wastes must be handled and disposed according to local and national regulations.

· **Waste disposal key:** CER 080112

· Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number

· **ADR, ADN, IMDG, IATA** Void

· 14.2 UN proper shipping name

· **ADR, ADN, IMDG, IATA** Void

· 14.3 Transport hazard class(es)

· **ADR, ADN, IMDG, IATA**

· **Class** Void

(Contd. on page 8)



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

Printing date 24.05.2020

Version number 1

Revision: 24.05.2020

Trade name: CTR - Translucent Dyes for Epoxy Resin

(Contd. of page 7)

· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 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":	Void

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.
 - Seveso category Not applicable
 - International regulation:
 - Regulation CLP - (CE) n. 1272/2008
 - Regulation REACH (CE) n. 1907/2006
 - Regulation 453/2010
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information enclosed in this safety data sheet are based on our actual knowledge and on the actual national and UE regulations; users working conditions are out of our awareness and control. The product is not meant to be used for different aims than the ones specified, without previously obtain written indication on proper handling. It is always in charge of users to apply actual regulation about health, safety and environmental care.

The information enclosed in this safety data sheet are to be meant as a description of the preparation's characteristics for safety aim: these information must not be meant as guarantee of the product properties.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport 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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative