

Safety Data Sheet

GHS VERSION



Print date: 9/20/2017
Version: 2

DUAL CURE 310 CLEAR
Revision date: 9/20/2017
Issue date: 9/20/2017

USA
Page 1 / 6

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

1.1. product identifiers

205-301

Identification of the substance or mixture DUAL CURE 310 Clear

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

Relevant identified uses

Stencil production for screen and textile printing. Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Lawson Screen & Digital Products
5110 Penrose St.
St. Louis, MO 63115

For Product and Use Information: 314-382-9300 Contact: David Landesman

1.4. Emergency telephone number

Emergency telephone: CHEMTREC 800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GHS

This mixture is classified as hazardous according to GHS

Skin Sens. 1 / H317

Respiratory or skin sensitisation

May cause an allergic skin reaction.

2.2. Label elements

The product is classified and labelled according to GHS.

Labelling according to GHS

Hazard pictograms



Warning

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P280 Wear protective gloves and eye/face protection.

contains:

ethoxylated (3) trimethylolpropane triacrylate
1,2-benzisothiazol-3(2H)-one
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H
-isothiazol-3-one [EC no. 220-239-6] (3:1)
2-Isopropyl-9H-thioxanthen-9-one

HMIS-CODE

Health	1
Fire	0
Reactivity	0
Personal Protection	0

Classification code:

0 = minimal / 1 = low / 2 = moderate / 3 = strong / 4 = extreme

2.3. Other hazards

Print date: 9/20/2017
Version: 2

DUAL CURE 310 CLEAR
Revision date: 9/20/2017
Issue date: 9/20/2017

USA
Page 2 / 6

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Product description / chemical characterization

Description Mixture of components, as listed below, with nonhazardous constituents

Hazardous ingredients

Classification according to GHS

EC No.

CAS No.

INDEX No.

Chemical name

classification: // Remark

Wt %

500-066-5

28961-43-5

226-827-9

5495-84-1

220-120-9

2634-33-5

613-088-00-6

55965-84-9

613-167-00-5

ethoxylated (3) trimethylopropane triacrylate

2-Isopropyl-9H-thioxanthen-9-one

1,2-benzisothiazol-3(2H)-one

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], < 0.1
and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

1 - 5

0.1 - 1

< 0.1

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion

Seek medical advice immediately. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam Water mist Carbon dioxide

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special hazards arising from the substance or mixture

Gases/vapours, toxic

5.3. Advice for firefighters

Provide a conveniently located respiratory protective device.

Additional information

The danger areas must be delimited and identified using relevant warning and safety signs. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Print date: 9/20/2017
Version: 2

DUAL CURE 310 CLEAR
Revision date: 9/20/2017
Issue date: 9/20/2017

USA
Page 3 / 6

Keep away from sources of ignition. Ventilate affected area. Remove persons to safety. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations. Provide good ventilation.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Heed the usual precautionary measures of handling chemicals.
Avoid: generation/formation of aerosols
VCI-storage class, see Chapter 15

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Always keep in containers that correspond to the material of the original container. Ensure adequate ventilation of the storage area.

Further information

VCI-storage class, see Chapter 15

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

not applicable

8.2. Exposure controls

Provide good ventilation.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Hand protection

Wear chemical resistant protective gloves.

Eye protection

Wear closed protection glasses.

Protective clothing

Protective measures

Avoid contact with skin, eyes and clothes. After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Safety Data Sheet

GHS VERSION



Print date: 9/20/2017
Version: 2

DUAL CURE 310 CLEAR
Revision date: 9/20/2017
Issue date: 9/20/2017

USA
Page 4 / 6

Appearance:	
Physical state:	liquid
Colour:	refer to label
Odour:	characteristic
pH at 20 °C:	not applicable
Initial boiling point and boiling range:	boiling point in °C at 101,3 kPa
Flash point:	not applicable
Vapour pressure at 20 °C:	not applicable
Relative density:	
Density at 20 °C:	1.02 g/cm ³
Solubility(ies):	
Water solubility (g/L) at 20 °C:	very soluble
Auto-ignition temperature:	not applicable
Viscosity at 20 °C:	11700 mPa·s
Decomposition temperature (°C):	0

9.2. Other information

Solid content (%):	36.72 Wt %
Solvent separation test (%):	< 3 Wt % (ADR/RID)

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

10.5 Incompatible materials

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

Classification for mixtures and used evaluation method according to GHS
No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

SECTION 12: Ecological information

overall evaluation

Classification for mixtures and used evaluation method according to GHS Do not store at public landfills.

Print date: 9/20/2017
Version: 2

DUAL CURE 310 CLEAR
Revision date: 9/20/2017
Issue date: 9/20/2017

USA
Page 5 / 6

Practical experience/human evidence

Other observations:

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc..

12.1 Toxicity

No information available.

Remark

There is no information available on the preparation itself .

Long-term Ecotoxicity

Toxicological data are not available.

12.2 Persistence and degradability

Toxicological data are not available.

12.3 Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4 Mobility in soil

Toxicological data are not available.

12.5 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product Recommendation

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

14.1 UN number

not applicable

14.2 UN proper shipping name

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code

-

Sea transport (IMDG)

Safety Data Sheet

GHS VERSION



Print date: 9/20/2017
Version: 2

DUAL CURE 310 CLEAR
Revision date: 9/20/2017
Issue date: 9/20/2017

USA
Page 5/ 6

EmS-No. not applicable

Packaging >30 l

Land transport (ADR / RID / DOT):

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

not applicable

SECTION 15: Regulatory information

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

Observe in addition any national regulations!

calculated with mixing rule

Substance/product listed in the following inventories:

Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

SECTION 16: Other information

Further information

Classification for mixtures and used evaluation method according to GHS

The information supplied on this safety data sheet is correct to the best of our knowledge. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.