

Safety Data Sheet
According to Regulation (EC) No 1907/2006

Cast UV 3.0

Version 2.0

Issue date: 11/11/2021

Revision date: 11/11/2021

SDS Record Number: CSSS-TCO-010-21111101

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

1.1 Product identifier:

Identification on the label/Trade name: Cast UV 3.0

Additional identification: Not available

Identification of the product: Not available

Index Number: Not available

REACH pre-registration No.: Not available

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Fragrance Ingredient.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): Chemical Inspection & Regulation Service Limited

Supplier(Manufacturer): GUANGZHOU HEYGears IMC.INC

Address: Room 201-1, No. 25, Yayingshi Road,
Huangpu District, Guangzhou City, China

Contact person(E-mail): mqu@heygears.com

Telephone: +86 020 32202686

Fax: +86 020 32202686

1.4 Emergency telephone Number:

+353 41 980 6916 (Only available during office hours (8:30a.m.-17:30p.m.)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008

Hazard classes/Hazard categorie	Hazard statement
Skin Irrit. 2	H315
Skin Sens. 1	H317
Aquatic Chronic 1	H410

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms:



Signal Word(S):

Warning

Hazard Statement:

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary statement:

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

P264: Wash hands thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

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

P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P501: Dispose of contents/container in according with local regulation.

2.3 Other hazards:

Not applicable.

Section 3 Composition/information on ingredients

Substance/Mixture:

Mixture

Ingredient(s):

Chemical Name	Pre-Registration No.	CAS No.	EC No.	Concentration
Tripropylene glycol diacrylate	N/A	42978-66-5	N/A	30-50
Ethoxylated (10) bisphenol A diacrylate	N/A	64401-02-1	N/A	50-60

Section 4 First aid measures

4.1 Description of first aid measures:

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

4.1.1 In case of inhalation:

Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

4.1.2 In case of skin contact:

Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

4.1.3 In case of eyes contact:

Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

4.1.4 In case of ingestion:

Rinse mouth with water and obtain medical advice.

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

Causes skin irritation. May cause an allergic skin reaction.

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

Not available.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Carbon dioxide, dry chemical, foam.

Unsuitable extinguishing media: Do not use a direct water jet on burning material.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide and unidentified organic compounds may be formed during combustion.

5.3 Special fire fighting methods and special protective actions for fire-fighters:

Wear NIOSH approved self-contained breathing apparatus and full protective clothing when fighting fires involving chemicals. Use water spray to cool containers exposed to fire.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if Vapor is generated.

6.2 Environmental Precautions:

Keep away from drains, surface- and groundwater and soil.

6.3 Methods for Containment and Cleaning up:

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local 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 information on disposal.

6.5 Additional information:

Not applicable.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use. Keep away from ignition sources and naked flame.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Where appropriate, use closed systems to transfer and process this material. If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.

Hand protection: Use chemically resistant gloves.

Body protection: Wear suitable protective clothing to prevent skin exposure.

Respiratory protection: No respiratory protection is required during normal operations in a workplace. If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Red
Odour:	Fragrance like
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	< -20 °C
Boiling point/range (°C):	312.2 °C
Flash point (°C):	105 °C
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative Density:	1.0-1.5g/cm ³ (25°C)
Bulk density (kg/m³):	Not available

Water solubility:	Not available
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	100-150 (25°C)
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

9.2. Other information:

Fat solubility(solvent– oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Direct sources of heat.
10.5 Incompatible materials:	Strong acids, alkali or oxidizing agents.
10.6 Hazardous decomposition products:	Carbon monoxide and unidentified organic compounds may be formed during combustion.

Section 11 Toxicological information

11.1 Toxicokinetics, metabolism and distribution:

Non-human toxicological data:	Not available
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11.2 Information on toxicological effects:

Acute toxicity:	
LD50(Oral, Rat):	> 3000 mg/kg bw
LD50(Dermal, Rat):	> 3000 mg/kg bw
LC50(Inhalation, Rat):	Not available

Skin corrosion/Irritation:	Causes skin irritation.
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified

Aspiration hazard:	Not classified
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Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	1.3 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	1.38 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 2.6 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not readily biodegradable.
Bioaccumulative potential:	BCF=600
Mobility in soil:	Log K _{oc} = 4.12
Results of PBT&vPvB assessment:	The substance is not PBT / vPvB.
Other adverse effects:	Very toxic to aquatic life with long lasting effects.

Section 13 Disposal considerations

13.1 Waste treatment methods:	Due to the high risk of contamination recycling/recovery is not recommended. Waste disposal in accordance with regulations (most probably controlled incineration).
13.2 Product / Packaging disposal:	According to local regulations. Emptied container might retain product residues. Follow all warnings even after the container is emptied.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

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

Relevant information regarding authorization:	Not applicable.
Relevant information regarding restriction:	Not applicable.
Other EU regulations:	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
Other National regulations:	Not applicable

Chemical Safety Assessment has been carried out? YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by EU No 2015/830

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.