COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED
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MATERIAL SAFETY DATA SHEET

ETHYLHEXYL TRIAZONE

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

1.1 Product identifier

Name: Ethylhexyl triazone

CAS No.: 88122-99-0

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

Industry Sector: Industrial Performance Chemicals

Type of use: UV absorber, Cosmetics

1.3 Details of the Supplier of the safety data sheet

Cocreate Global Technologies Private Limited

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Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Hazard categories: Chronic aquatic toxicity: Category 4

Hazard statements

H413: May cause long lasting harmful effects to aquatic life

Precautionary statements

P273: Avoid release to the environment.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

2.2 Other Hazards

No additional hazards are known except those derived from the labelling.

SECTION 3: Composition/information on ingredients

Substance / Mixture : Substance

Substance name 2-Ethylhexyl 4-[[4,6-bis[[4-(2-ethylhexyloxycarbonyl)aniline]-1,3,5-triazin-2-yl]amino]benzoate.

Components:

Chemical Name	CAS No.	Concentration (% w/w)
4-[[4,6-bis[[4-(2-ethyl hexoxy-oxomethyl)phenyl] amino]-1,3,5-triazin-2-yl] amino] benzoic acid 2-ethylhexyl ester	88122-99-0	< 100

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information Remove contaminated clothing immediately.

After inhalation Take affected person into fresh air. Oxygen or artificial respiration, if needed. Consult a physician.

After contact with skin In case of contact with skin wash off immediately with plenty of water. Get medical attention immediately.

After contact with eyes Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.

After ingestion Do not induce vomiting.

Never give anything by mouth to an unconscious person.

Consult a physician.

Induce vomiting only upon the advice of a physician.

4.2 Most important symptoms and effects, both acute and delayed Inhalation of dust may cause irritations of mucous membranes, cough and shortness of breath. Risk of serious damage to eyes. Irritating to skin.

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

Sources and related content

SECTION 5: Fire Fighting Measures

5.1 Suitable Extinguishing media Water, Foam, carbon dioxide (CO_2), dry chemical, water spray.

Specific extinguishing Fire residues and contaminated fire extinguishing water must.

5.2 Special hazards arising from the substance or mixture Fire may produce Carbon monoxide (CO), Carbon dioxide (CO_2) and nitrogen oxides (NOx).

5.3 Advice for firefighters Use breathing apparatus with independent air supply. Protective suit.

Additional information Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing Fire residues and contaminated fire fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear suitable protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes. Use respiratory protection if exposed to vapours/dust/aerosols. Avoid contact with skin, eyes and clothing. Do not breathe dust.

6.2 Environmental precautions Contain spillage. Do not discharge into the drains/surface waters/ground water. Do not discharge into the subsoil/soil.

6.3 Method and material for containment and cleaning up Take up with suitable equipment and if necessary collect in closed containers. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Treat recovered material as described in the section “Disposal considerations”. Containers in which split substance has been collected must be adequately labelled. Pick up mechanically.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Advice on safe handling Observe the usual precautions for handling chemicals. Ensure good general ventilation in the workplace; local exhaust ventilation may be necessary, especially when emptying containers.

Avoid contact with skin, eyes and clothing. Do not breathe dust.

Advice on protection against fire and explosion Avoid the formation and deposition of dust. Keep away from heat and sources of ignition – No smoking.

Conditions for safe storage Keep only in the original container. Keep container tightly closed in a cool, well-ventilated place.

Technical measures/precautions Keep away from heat. Keep away from direct sunlight. Keep away from food and drink. Keep only in the original container at temperature not exceeding 40°C.

7.2 Materials to avoid Do not store or transport together with foodstuffs. Keep away from oxidizing agents. Do not store together with metals. Do not store with acids or alkalies.

SECTION 8: Exposure controls/Personal protection

8.1 Components with workplace control parameters Personal protective equipment

Respiratory protection: Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure.

Hand Protection: Protective gloves

Eye Protection: Safety goggles / Face shield

Skin and body protection: Wear suitable protective clothing.

Hygiene measures: Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Use only in well-ventilated areas.

Take off immediately all contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Parameter	Value
Physical state	Crystalline Powder
Colour	White
Odour	faint, characteristic
Melting point	122 - 124°C Method: OECD Test Guideline 102
Flash point	Not applicable
Evaporation rate	Not applicable
Burning number	Spread of a glowing fire
Lower explosion limits	Not applicable
Upper explosion limits	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Oxidizing properties	Not oxidizing
Dust explosion class	ST2 Capable of dust explosion

Vapour Pressure	Not applicable
Relative vapour density	Not applicable
Density	no data available
Bulk density	593 kg/m3
Water solubility	< 1 g/l soluble [OECD 105]
Solubility in other solvents	not tested Solvent: fat
Partition coefficient (n-octanol/water)	Log Pow> 7

9.2 Other Information No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity See section 10.3 “Possibility of hazardous reactions”.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid None known.

10.5 Incompatible materials Not known.

10.6 Hazardous decomposition products Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components: Tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate:

LD50/oral/rat: >5000 mg/kg Method: OECD Test guideline 401 GLP: yes

LD50/dermal/rat: >2000 mg/kg Method: OECD Test guideline 401 GLP: yes

LC50/inhalation/rat: not required

Irritation and corrosivity Skin irritation (rabbit): No skin irritation

Eyes irritation (rabbit): No eye irritation

Sensitising effects Skin sensitization: Non-sensitizing (Guinea pig).

STOT-single exposure The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Severe effects after repeated or prolonged exposure No data available.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: No data available Mutagenicity: It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests. Reproductive toxicity: No reproductive toxicity is expected.

Aspiration hazard No aspiration toxicity classification.

SECTION 12: Ecological information

12.1 Toxicity LC50/Danio rerio (zebra fish): > 1000 mg/l EC 50 Daphnia magna/48 h> 500 mg/l IC50/microorganisms: >10000mg/l

12.2 Persistence and degradability Biodegradable (OECD): 0% (28 d) [OECD 301C].

12.3 Bioaccumulative potential No information available.

12.4 Mobility in soil Distribution among environmental compartments-adsorption; Medium: Sewage sludge; log Koc: > 5.63 OECD test guideline 121.

12.5 Results of PBT and vPvB assessment This substance is not identified as a PBT or as a vPvB substance.

12.6 Other adverse effects Additional ecological information: Do not allow to enter drains or waterways.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with the local regulations. Can be incinerated, when in compliance with local regulations. Where possible recycling is preferred to disposal or incineration.

Contaminated packaging Empty containers should be taken to local recyclers for disposal. Consider recycling. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of as product waste. Corroded or contaminated packaging should be disposed of as product waste.

SECTION 14: Transport Information

Road Transport India Not restricted

IATA Not restricted

IMDG Not restricted

SECTION 15: Regulatory Information

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

The Factories Act, 1948 The Motor Vehicles Acts, 1988

Labeling in accordance with Indian regulations: This product does not require a hazard label in accordance with Indian Regulations.

SECTION 16: Other information

Further Information

Other information: Observe nation and local legal requirements

Full text of other abbreviations

AICS - Australian inventory of chemical substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American society for the Testing of Materials; bw - Body weight, CMR Carcinogen, Mutagen or Reproductive Toxicant; DSL Domestic Substances list (Canada); ERG Emergency Response Guide; ECx Concentration associated with x% response; ELx - Loading rate associated with x% response; EmSemergency Schedule, ENCS Existing and New Chemical substance (Japan); ErCx Concentration associated with x%response; ELX -GHS Globally Harmonized System, GLP Good Laboratory Practice; ARC International Agency for Research on Cancer; IATA International Air Transport Association; IBC International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; C50-Half maximal inhibitory concentration; ICAO International Civil Aviation Organization; IECSC Inventory of Existing Chemical Substances in China; IMDG-International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL-Industrial Safety and Health Law (Japan); ISO-International Organisation for Standardization; LC50-Lethal Concertration to 50% of a test population; LD50 Lethal Dose to 50% of a test population (Median Lethal Does); MARPOL International Convention for the Prevention of Pollution from Ships; n.o.s. Not Otherwise Specified; REACH - Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Slef-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI Taiwan Chemical Substance Inventory, TDG-Transportation of Dangerous Goods; TSCA- Toxic Substance Contrl Act (United States); UN United Nations; UNRTDG United Nations recommendations on the Transport of Dangerous Goods; WHMIS- Workplace Hazardous Materials Information System; CAS - Chemicals Abstract Service; KECI - Korea Existing Chemicals Inventory; PICCS Philippines Inventory of Chemicals and Chemical substances; Q(SAR) - Quantitative) Structure Activity Relationship; EN - European norm; DIN - Deutsche Industrie Norm; PBT Persistent Bioaccumulative and Toxic; EC- Effect concentration; vPvB-Very Persistent and very Bio-accumulative.

Further Information

Other information : Observe national and local legal requirements.