



CSFC TAIWAN ENTERPRISE CORPORATION

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MATERIAL SAFETY DATA SHEET CSFC P

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SECTION 1 IDENTIFICATION OF THE SUBSTANCE

Trade name: CSFC P
Chemical identification: 2-(2'-Hydroxy-5'-methylphenyl) benzotriazole
CAS Number: 2440-22-4
Use: Stabiliser

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: Substances presenting a health or environmental hazard

Substances presenting a health or environmental hazard

EC-Number	CAS Number	Chemical Name	Content	Symbol(s)	R-Phrase(s)
	2240-22-4	2-(2'-Hydroxy-5'-methylphenyl) benzotriazole	100 %	XI	R43/53

SECTION 3 HAZARDS IDENTIFICATION

Classified as hazardous according the EU directives.

Xi Irritant

N Dangerous for the environment.

Irritating to eyes.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

SECTION 4 FIRST AID MEASURES

Skin contact

Wash off with soap and plenty of water. Do not use organic solvents.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Inhalation

Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention.

Ingestion

Immediately give plenty (> 500 ml) of water (if possible charcoal slurry). In case of spontaneous vomiting be sure that vomitus can freely drain due to danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.



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SECTION 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, Carbon dioxide (CO₂), Foam, Dry powder

Extinguishing media which must not be used for safety reasons

High volume water jet

Exposure hazards

Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.

Special protective equipment for firefighters

Wear full protective clothing. Wear self-contained breathing apparatus.

Combustion products

Oxides of carbon; Oxides of nitrogen (NO_x); Toxic gases/vapours

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Do not breathe vapours/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system.

Methods for cleaning up

Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labelled. Avoid dust formation

SECTION 7 HANDLING AND STORAGE

Handling

Irritant. Dangerous for the environment. Handle and open container with care. Avoid dust formation and ignition sources.

Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.

Storage

Keep away from food and drink. Store in the original container securely closed.

Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers. If container is larger than 2000 liter in volume, or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion -- seek expert advice.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit(s)

Exposure limit (8 hour time weighted average)

No tested

Technical measures/Precautions



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No special precautions required.

Respiratory protection

Effective dust mask.

Hand protection

Protective gloves

Eye protection

Suitable goggles or face protection

Skin and body protection

Working clothes , Closed footwear

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Form	powder
Colour	slightly yellow
Odour	odourless
Melting/freezing temperature	128-132 °C
Boiling point/range	not applicable
Relative density 20 °C	1.38 g/cm ³
Flash point	205 °C
Ignition Temperature	520 °C
Oxidising properties	not tested
Self-ignition temperature	not tested
Water solubility 20 °C	insoluble
Vapour pressure 20 °C	not applicable
Partition coefficient; Log Pow 20 - 25°C	not tested
pH-value 1 % suspension in water 20 - 25°C	not tested
Explosive properties	not tested

SECTION 10 STABILITY AND REACTIVITY

Decomposition temperature	>250 °C
Conditions to avoid	Static discharges.
Materials to avoid	Strong acids, strong bases and strong oxidising agents.
Hazardous decomposition products	Oxides of carbon, Oxides of nitrogen (NO _x), Toxic gases/vapours

SECTION 11 TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 > 2000 mg/kg
<i>Rat</i>	
Acute dermal toxicity	not tested
Acute Inhalation Toxicity	not tested
Acute eye irritation/corrosion	not tested



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Acute dermal irritation/corrosion not irritant
Acute skin sensitisation not sensitising

SECTION 12 ECOLOGICAL INFORMATION

Acute toxicity to fish not tested
Acute toxicity to daphnia not tested
Acute toxicity to bacteria not tested
Acute toxicity to algae not tested I
Biodegradability not tested
Ecotoxic effects

Do not discharge product uncontrolled into the environment.

Information on classification

This preparation is classified relating to its environmental hazards applying the conventional method described in EU Directive 1999/45/EC, Annex III.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Contaminated packaging

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

SECTION 14 TRANSPORT INFORMATION

Flash point 205 °C
ADR/RID Class: Free
IMO Class: Free
ICAO Class: Free

SECTION 15 REGULATORY INFORMATION

Classification Self-classification
Symbol(s) Xi Irritant
R-Phrase(s) N Dangerous for the environment
 R36 Irritating to eyes.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S-Phrase(s) S25 Avoid contact with eyes.
 S60 This material and/or its container must be disposed of as hazardous waste.
 S61 Avoid release to the environment. Refer to special



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nstructions/Safety data sheets.

contains

Tetramethyl piperidyl derivative

SECTION 15 REGULATORY INFORMATION

Classification

Self-classification

R-Phrase(s)

R43/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-Phrase(s)

S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

SECTION 16 OTHER INFORMATION

R-phrases from chapter 2

R43/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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