



CSFC TAIWAN ENTERPRISE CORPORATION

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MATERIAL SAFETY DATA SHEET CSFC 622

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SECTION 1 IDENTIFICATION OF THE SUBSTANCE

Product name CSFC 622
Chemical identification Polymeric sterically hindered amine derivative
CAS Number 065447-77-0
Use Stabilizer

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard

EC-Number	CAS Number	Chemical Name	Content	Symbol(s)	R-Phrase(s)
	065447-77-0	Polymeric sterically hindered amine derivative	100%		R52/53

SECTION 3 HAZARDS IDENTIFICATION

Classified as hazardous according to the EU directives.

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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.

SECTION 5 FIRE-FIGHTING MEASURES



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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/vapors.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Do not breathe vapors/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 labeled. Avoid dust formation.

SECTION 7 HANDLING AND STORAGE

Handling

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)

(8 hour time weighted average)



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10 mg/m³

Exposure limit for inhalable dust.

Technical measures/Precautions

Exposure limit(s) should be monitored using suitable analytical equipments.

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	granules	
Color	colourless to light yellowish	
Odor	odorless	
Melting/freezing temperature	50-70 °C	
Boiling point/range	not applicable	
Relative density 20 °C	1.22 g/cm ³	
Flash point	>250 °C	DIN51376
Flammability	not tested	
Ignition Temperature	370 °C	BAM
Oxidizing properties	not tested	
Self-ignition temperature	not tested	
Water solubility 20 °C	< 1.6mg/l	
Solubility	not tested	
Vapor pressure 20 °C	2.5 E-6 Pa	
Partition coefficient;		
Log Pow 20 - 25°C	5.2	
pH-value 1 % suspension in water 20 - 25°C	6.3	
Explosive properties	not tested	
Evaporation rate	not tested	
Vapor density	not tested	

SECTION 10 STABILITY AND REACTIVITY

Decomposition temperature	> 350 °C
Conditions to avoid	Static discharges.
Materials to avoid	Strong acids, strong bases and



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Hazardous decomposition products

strong oxidizing agents.

Oxides of carbon, Oxides of nitrogen (NO_x), Toxic gases/vapors

SECTION 11 TOXICOLOGICAL INFORMATION

Acute oral toxicity <i>Rat</i>	LD50 > 2000 mg/kg	
Acute dermal toxicity <i>Rabbit</i>	not tested	
Acute Inhalation Toxicity <i>Rat 7 d</i>	LC50 > 1100 mg/m ³	
Acute eye irritation/corrosion <i>Rabbit</i>	not irritant	OECD 405
Acute dermal irritation/corrosion <i>Rabbit</i>	not irritant	OECD 404
Acute skin sensitization <i>Guinea pig</i>	not sensitizing	OECD406
Further information		

Following prolonged exposure, adverse effects on liver, kidneys and thyroid were observed in animals.

SECTION 12 ECOLOGICAL INFORMATION

Acute toxicity to fish <i>Zebra fish (Brachydanio rerio) 96 h</i>	LC50 > 100 mg/l	OECD 203
Acute toxicity to daphnia <i>Daphnia magna 24 h</i>	EC50 > 25 mg/l	OECD 202
Acute toxicity to bacteria <i>Sewage sludge 3 h</i>	IC50 > 100 mg/l	OECD 209
Acute toxicity to algae <i>Scenedesmus sp. 72 h</i>	EC50 > 100 mg/l	
Biodegradability	Not biodegradable	OECD 301 B
Eco toxic effects		

Do not discharge product uncontrolled into the environment.

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



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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: >250 °C

ADR/RID Class: Free

IMO Class: Free

ICAO Class: Free

SECTION 15 REGULATORY INFORMATION

Classification Self-classification

Symbol(s) Xn Harmful

R-Phrase(s) R52/53 Harmful 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.

Contains Polymeric sterically hindered amine derivative

SECTION 16 OTHER INFORMATION

R-phrases from chapter 2 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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