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MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

PRODUCT NAME: CSFC 770
CHEMICAL NAME: Bis(2,2,6,6-tetramethyl-4-piperidinyl)sebacate
CAS NO.: 52829-07-9
FORMULA: $C_{28}H_{52}N_2O_4$
CHEMICAL FAMILY: Sterically hindered amine derivative

HAZARDOUS COMPONENT

99 % Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl)ester
EEC-Symbol : Xi R-Phrase : 36 CAS No : 52829-07-9

CHEMICAL AND PHYSICAL DATA

APPEARANCE: White crystalline powder
Odor: None
MELTING POINT: 80-86 °C
BOILING POINT: >350 °C
DENSITY: 1.01 g/cm³ @ 20°C
FLASH POINT: > 150°C DIN 51584
SOLUBILITY IN WATER: < 0.01% @ 20°C
IGNITION: 330°C BAM
VAPOR PRESSURE: < 0.01 Pa @ 20 °C

FIRE AND EXPLOSION DATA

FLASH POINT: 523 °F
EXTINGUISHING MEDIA: Water mist, carbon dioxide, foam,
dry powder
THERMAL DECOMPOSITION:
TEMPERATURE: >350 °C
Thermal decomposition and burning may
Release
HAZARDOUS THERMAL: Carbon monoxide, carbon dioxide and
Other
DECOMPOSITION PRODUCTS: Toxic gases and vapor
EXPLOSION HAZARDS: Do not release chemically contaminated
water into drains, soil or surface
waters. Sufficient measures must be
taken to retain water used for
extinguishing. Dispose of
contaminated water and soil according
to local regulations.
PROTECTIVE EQUIPMENT
AND FIREFIGHTING: Use full protective clothing for chemicals and a
self-contained breathing apparatus.

REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: Static discharges.
MATERIALS TO AVOID: Strong oxidizing agents, strong bases
and strong acids.

DISPOSAL CONSIDERATIONS

Incineration or landfill in accordance with local regulation.
Contaminated packing material should be disposed of identically to the product itself. Not contaminated

packaging material should be treated as household waste or as recycling material.

TRANSPORT INFORMATION

RID/ADR: Free
IATA: Free
IMDG-Code: Free
FLASHPOINT: >150 °C DIN 51584

REGULATORY INFORMATION

EEC-SYMBOL: Xi = Irritant.
CONTAINS: 2,2,6,6-Tetramethylpiperidine derivative
R36: Irritating to eyes.
S22: Do not breathe dust.
S24/25: Avoid contact with skin and eyes.

HEALTH EFFECTS DATA

LC50 FISH: 4.4 mg/L.
EC50 DAPHNIA: 17 mg/L.
IC50 BACTERIA: >100 mg/L.
READY BIODEGRADABILITY: Not degradable.
BIODEGRADATION OECD SCREENING TEST: Partly but not readily degradable. Prevent contamination of soil, drains and surface waters.

HANDLING AND STORAGE

HANDLING: Irritant; Handling with care. Avoid dust formation and ignition sources. Ensure good ventilation and local exhaust. Do not eat, drink or smoke at the workplace.
FURTHER INFORMATION: The product is combustible and can form an explosive dust/air mixture. Take precautionary measures against static discharges, for example, by using proper grounding techniques.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

TECHNICAL PROTECTIVE MEASURES: No special measure required.
EXPOSURE CONTROL LIMITS: NONE
RESPIRATORY PROTECTION : Wear suitable particles filter mask when exposed to dust.
HAND PROTECTION: Wear suitable gloves.
EYE/FACE PROTECTION : Wear suitable goggles or face protection.
SKIN PROTECTION : Wear overall and closely fit wear.

FIRST AID PROCEDURE

EYES: Rinse immediately with water for at least 15 minutes. In case of eye irritation, get medical attention.
SKIN: Wash with plenty of water and soap. Do not use organic solvent.
INHALATION: Remove from area to fresh air. Get medical attention if respiratory irritation develops or if mucous membranes.
INGESTION: Affect person should drink 500-800 ml water, if possible with suspended activated carbon for medical use. In case of spontaneous vomiting be sure that vomitus can freely drain because of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in case of unconsciousness or convulsions. Get medical attention..

IMPORTANT

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.