



Netchem Inc.

SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

Triclosan

SYNONYM

2,4,4-trichloro-2-hydroxydiphenylether

DISTRIBUTOR

Netchem Inc.
35 Roy Blvd
Brantford, Ontario, N3R 7K1
519-751-4700

EMERGENCY CONTACT

CANUTEC
613-996-6666

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification:

Acute toxicity, Oral	(Category 5)
Skin irritation	(Category 2)
Eye irritation	(Category 2A)
Acute aquatic toxicity	(Category 1)
Chronic aquatic toxicity	(Category 1)

GHS Label elements, including precautionary statements

Symbol/Pictogram:



Signal Word:

Warning

Hazard Statement(s):

H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s):

P273	Avoid release to the environment.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification

Health hazard:	2
Flammability:	0
Physical hazards:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	May be harmful if swallowed.

SECTION 3 – COMPOSITION, INFORMATION AND INGREDIENTS

INGREDIENT
Triclosan

C.A.S. NUMBER
[3380-34-5]

PERCENT
> 97%

SECTION 4 – FIRST AID MEASURES

Eye contact: Rinse immediately with plenty of water for at least 10 minutes. Seek medical attention.

Skin contact: Remove contaminated clothing. Wash affected skin with soap and plenty of water. Seek medical attention

Inhalation: Remove victim of fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5 – FIRE FIGHTING MEASURES

General information: Not flammable or combustible.

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards in case of fire: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Special protective equipment and precautions for firefighters: Wear self-contained breathing apparatus for firefighting if necessary

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Sensitive to heat over 40°C.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering control measures: Use mechanical exhaust or laboratory fumehood to avoid exposure.

Exposure limits: No data available.

PERSONAL PROTECTIVE EQUIPMENT:

Eyes: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this

product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Clothing: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respirators: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder
Color:	White
Odor:	Odorless
Odor threshold:	No data available
pH:	No data available
Melting/freezing point:	55 – 60 °C
Initial boiling point:	> 200 °C
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Solubility:	No data available
Partition coefficient:	log Pow: 4.7
Auto-ignition temperature:	No data available

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: No data available.

Incompatibilities with other materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides, Hydrogen chloride gas

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral LD50	Rat– 3,700 mg/kg
Inhalation LC50	No data available
Dermal LD50	Rabbit – 9,300 mg/kg

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

Genotoxicity in vitro - rat - Other cell types - negative

Genotoxicity in vivo - rat - male and female - negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicology

No data available.

Teratogenicity

Developmental Toxicity - rat - Oral
Effects on Embryo or Fetus: Fetal death

Target organ systemic toxicity – Single exposure

No data available.

Target organ systemic toxicity – Repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

RTECS: KO1100000

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	Rainbow trout – 96h LC50 0.288 mg/L
Toxicity to daphnia and other aquatic invertebrates	Daphnia magna – 48h EC50 0.39 mg/L
Toxicity to algae	No data available

Persistence and degradability

Biodegradability aerobic
Result: 37 % - Not readily biodegradable.

Bioaccumulative potential

No data available.

PBT and vPvB assessment

No data available.

Other adverse effects

Very toxic to aquatic life with long lasting effects. Avoid release to environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT (US) – Not regulated as dangerous goods by DOT

IMDG

UN number: 3077 **Class:** 9 **Packing group:** III **EMS-No:** F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Triclosan)
Marine pollutant: Yes

IATA

UN number: 3077 **Class:** 9 **Packing group:** III
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Triclosan)

SECTION 15 – REGULATORY INFORMATION

Chemical Inventories

USA TSCA	Listed
Canada DSL	Listed
Japan ENCS	Listed

CERCLA Hazardous substance and Reportable Quantity:

SARA 313:	Not Listed
SARA 302:	Not Listed

State Regulations

State Right-to-Know

Massachusetts	Not Listed
New Jersey	Not Listed
Pennsylvania	Not Listed
California Prop. 65:	Not Listed

HMIS Rating

Health hazard:	2
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	2
Fire Hazard:	0
Reactivity Hazard:	0

SECTION 16 – ADDITIONAL INFORMATION

PREPARED BY

Regulatory Affairs

PHONE NUMBER

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March 2018

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