

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Triclosan

CAS-No. : 3380-34-5

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet

Company : **Swadesh Life Science**
H-103, Sumel 7, Near Soni ni chali
BRTS, Rakhiyal
Ahmedabad, Gujarat, India

2. Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315
Eye irritation (Category 2), H319
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

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.

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391 Collect spillage.
P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard none Statements

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. Composition/information on ingredients

3.1 Substances

Synonyms : Triclosan
5-Chloro-2-(2,4-dichlorophenoxy)phenol

Formula : C₁₂H₇Cl₃O₂
Molecular weight : 289.54 g/mol
Index-No. : 604-070-00-9

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Concentration
5-Chloro-2-(2,4-dichlorophen oxy)phenol	
CAS-No.	3380-34-5 222-182- 100%
EC-No.	2
Index-No.	604-070-00-9

4. First aid measures

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. **If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

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

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides, Hydrogen chloride gas

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.3 Further information

No data available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

6.2 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.

6.3 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.

7. Handling and storage

7.1 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.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

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 protection

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.

Body Protection

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

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (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).

Control of environmental exposure

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

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|------------------------------|--|
| a) Appearance | Form: powder |
| b) Odour | No data available |
| c) Odour Threshold | No data available |
| d) pH | No data available |
| e) Melting point/freezing | Melting point/range: 56 - 58 °C point |
| f) Initial boiling point and | 280 - 290 °C at 1013 hPa - Decomposes on heating |
| g) Evaporation rate | No data available |
| h) Flammability (solid, gas) | No data available |
| i) Upper/lower | No data available flammability |
| j) Vapour pressure | No data available |
| k) Vapour density | No data available |

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- l) Relative density No data available
- m) Water solubility 12 g/l at 20 °C
- n) Partition coefficient: n- log Pow: 4.7 octanol/water
- o) Auto-ignition No data available temperature
- p) Decomposition No data available
- q) temperature
- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

9.2 Other safety information

Dissociation constant 8.14 at 20 °C

10. Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

Other decomposition products - No data available

In the event of fire: see section 5

11. Toxicological information

11.1 Information on toxicological effects Acute toxicity

LD50 Oral - Rat - 3,700 mg/kg(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

LD50 Dermal - Rabbit - 9,300 mg/kg(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

Skin corrosion/irritation

No data available(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

Serious eye damage/eye irritation

No data available(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

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Respiratory or skin sensitisation

No data available(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

Specific target organ toxicity - single exposure

No data available(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

Additional Information

Repeated dose toxicity - Rat - male and female - Oral - No observed adverse effect level - 75 mg/kg -
Lowest observed adverse effect level - 200 mg/kg(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

Repeated dose toxicity - Rat - male and female - Dermal - No observed adverse effect level - 80 mg/kg -
Lowest observed adverse effect level - > 80 mg/kg(5-Chloro-2-(2,4-dichlorophenoxy)phenol) RTECS:
KO1100000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been
thoroughly investigated. (5-Chloro-2-(2,4-dichlorophenoxy)phenol)

12. Ecological information

12.1 Toxicity

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 0.288 mg/l - 96.0 h(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

Toxicity to daphnia and EC50 –

Daphnia magna (Water flea) - 0.39 mg/l - 48 h(5-Chloro-2-(2,4- other aquatic
dichlorophenoxy)phenol) invertebrates

12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d(5-Chloro-2-(2,4-dichlorophenoxy)phenol) Result:
37 % - Not readily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available(5-Chloro-2-(2,4-dichlorophenoxy)phenol)

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and
toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

Avoid release to the environment.

13. Disposal considerations

13.1 Waste treatment methods Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging

Dispose of as unused product.