



CHEMSYNTH CORPORATION

(Exporter of chemical Raw materials)

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1. Identification of the substance/preparation and company

Trade name

Chemazol salt FD Cas No- 650-51-1

Use of the substance/preparation.

Industry sector :
Type of use :

Textile processing industry
Textile auxiliary

2. Hazard identification

Other hazards which do not result in classification

No additional hazards are known except those derived from the labelling.

3. Composition/information on ingredients

Chemical characterization

Sodium trichloroacetate (STCA)

CAS number : 650-51-1

EINECS number : 211-479-2

4. First aid measures

General information

Get medical advice/ attention if you feel unwell.

After inhalation

Remove to fresh air.

Call in a physician immediately and show him the Safety Data Sheet.

After contact with skin

In case of contact with skin treat with dilute soda solution and wash off immediately with soap and water

After contact with eyes

Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

After ingestion

If swallowed do not induce vomiting, seek medical advice and show safety datasheet or label

Most important symptoms/effects, acute and delayed

Symptoms

No symptoms known currently.

Hazards

No hazards known at this time.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Water spray jet

Foam

Dry powder

Carbon dioxide (CO₂)

Extinguishing media that must not be used for safety reasons

High volume water jet

Specific hazards arising from the chemical

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Carbon dioxide (CO₂)

Hydrogen chloride

Special protective equipment and precautions for fire fighters

Self-contained breathing apparatus

Further information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment.

Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

Methods and materials for containment and cleaning up

Pick up mechanically. Rinse away rest with water.

Avoid dust formation.

Additional information

Information regarding Safe handling, see chapter 7.

7. Handling and storage

Precautions for safe handling

Avoid dust formation.

Avoid dust accumulation in enclosed space.

With Local Exhaust Ventilation **Advice on protection against fire and explosion**

Take precautionary measures against build-up of electrostatic charges, e.g earthing during loading and off-loading operations.

Keep away sources of ignition.

Dust can form an explosive mixture in air.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed.

Keep container dry.

Do not store at temperature exceeding 50 °C

8. Exposure controls/personal protection

General protective measures

Observe the usual precautions for handling chemicals.

Hygiene measures

Wash hands before breaks and at the end of workday.

Use protective skin cream before handling the product.

Take off immediately all contaminated clothing and wash it before reuse.

Eye/face protection :

Safety glasses

Skin/Hand protection

Rubber gloves

Minimum breakthrough time / gloves : 480 min

Minimum thickness / gloves 0.5 mm

Respiratory protection

Effective dust mask.

Thermal hazards / Body protection

Wear suitable protective clothing.

9. Physical and chemical properties

Form : Granules

Colour : brown

Odour : characteristic not tested.

Odour threshold :

pH value : 8 - 10 (20 °C, 10 g/l)

Melting point (decomposition) : > 350 °C

Flash point : not applicable

Evaporation rate : not tested.

Self-ignition temperature : not tested.

Vapour pressure : not tested.

Bulk density : 1.05 kg/m³

Solubility in water : 1,000 g/l (20 °C)

soluble

Octanol/water partition coefficient (log Pow) : -2.37
Method : other (calculated)
Thermal decomposition : > 60 °C

10. Stability and reactivity

Chemical stability:

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Avoid contact with concentrated acids, such as sulfuric or nitric.

Incompatible materials

not known

Hazardous decomposition products

Chlorine compounds

11. Toxicological information

Information related to the product itself: not tested.

Acute oral toxicity :

Acute inhalation toxicity :

not tested.

Acute dermal toxicity :

not tested.

Skin corrosion/irritation :

not tested.

Serious eye damage/irritation:

not tested.

Respiratory or skin sensitization :

not tested.

Germ cell mutagenicity :

No information available.

Carcinogenicity :

No information available

12. Ecological information

Information related to the product itself: Biodegradability : 30 - 70 %
Method : OECD Test Guideline 302B

Bioaccumulation:

not tested.

Fish toxicity :

not tested.

Daphnia toxicity :

not tested.

Algae toxicity :

not tested.

Bacteria toxicity :

not tested.

Dissolved Organic carbon (DOC) :

126 mg/g

Chemical oxygen demand (COD) :

128 mg/g

Biochemical oxygen demand (BOD5) :

< 100 mg/g

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13. Disposal considerations

Product

In accordance with local authority regulations, take to special waste incineration plant or underground disposal site

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

14. Transport information

IATA

Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Class:	9
Packing group:	III
UN/ID number:	UN 3077
Primary risk:	9
Remarks	Shipment permitted
Hazard inducer(s):	Sodium trichloroacetate

IMDG

Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Class:	9
Packing group:	III
UN no.	UN 3077
Primary risk:	9
Remarks	Shipment permitted
Hazard inducer(s):	Sodium trichloroacetate
Marine pollutant:	Marine Pollutant
EmS :	F-A S-F
EmS :	F-A S-F

ADR

Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Class:	9
Packing group:	III
UN no.	UN 3077
Primary risk:	9
Hazard no. :	90
Remarks	Shipment permitted
Hazard inducer(s):	Sodium trichloroacetate

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Thai regulations

Hazardous Substance Act B.E. 2535

Notification of the ministry of industry on the system of classification and hazard communication of hazardous substances B.E. 2555 (GHS 2009)

The Ministerial regulation of management standard and implementation of occupational health and safety and work environment concerning to hazardous chemicals B.E.2556 (2013).

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection

16. Other information

Product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to

describe our products from the point of view of safety requirements. It should therefor not be construed as guaranteeing specific properties.