

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Product Name	Trityl chloride
Synonyms	Chlorotriphenylmethane
Chemical Name	Trityl chloride
Chemical Formula	C19H15Cl
Product code	FP T013
CAS No.	76-83-5
EC No.	200-986-4
REACH Registration No.	01-2120212881-62-0000

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

Identified Use(s)	PC19 Intermediate
Uses Advised Against	Not known.

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer

Company Identification	Syntor Fine Chemicals Ltd
Address of Manufacturer	Unit11 Boleyn Court Manor Park Runcorn Cheshire
Postal code	WA7 1SR
Telephone:	+441928579865
Fax	+441928579734
E-mail	neil.davies@syntor.co.uk
Office hours	09:00 - 17:00

#### Supplier

Company Identification	Syntor Fine Chemicals Ltd
Address of Supplier	Unit11 Boleyn Court Manor Park Runcorn Cheshire
Postal code	WA7 1SR
Telephone:	+441928579865
Fax	+441928579734
E-mail	neil.davies@syntor.co.uk
Office hours	09:00 - 17:00

### 1.4 Emergency telephone number

Emergency Phone No.	+441928579865
Contact	Neil Davies

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Skin Corr. 1B :Causes severe skin burns and eye damage. Eye Dam. 1 :Causes serious eye damage. STOT SE 3 :May cause respiratory irritation. Aquatic Acute 1 :Very toxic to aquatic life.
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Aquatic Chronic 1 :Very toxic to aquatic life with long lasting effects.

## 2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name

Trityl chloride

Hazard Pictogram(s)



GHS05



GHS07



GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

## 2.3 Other hazards

None known.

## 2.4 Additional Information

For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
chlorotriphenylmethane	76-83-5	200-986-4	~100	Skin Corr. 1B H314 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS05 GHS07 GHS09

### 3.2 Mixtures

Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed

Causes burns.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTER/doctor. Treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

#### 5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

#### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid dust generation. Do not breathe dust. Ensure full personal protection (including respiratory protection) during removal of spillages.

#### 6.2 Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

#### 6.3 Methods and material for containment and cleaning up

Collect spillage. Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

#### 6.4 Reference to other sections

See Also Section 8, 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Storage temperature Ambient.

Storage life Stable under normal conditions.  
Incompatible materials None known.

**7.3 Specific end use(s)**

PC19 Intermediate

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance	Solid. Colour : White to pale brown crystalline powder
Odour	Acrid odour.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	109 - 112 °C
Initial boiling point and boiling range	Not applicable.
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	1.14 g/ml
Solubility(ies)	Solubility (Water) : Not known.

	Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

## 9.2 Other information

Initial boiling point and boiling range	230 – 235 °C @ 20mm (lit )
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

None anticipated.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

None anticipated.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes serious eye damage.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	May cause respiratory irritation.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

### 11.2 Other information

Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

#### 12.2 Persistence and Degradation

Not known.

#### 12.3 Bioaccumulative potential

Not known.

#### 12.4 Mobility in soil

Not known.

#### 12.5 Results of PBT and vPvB assessment

Not known.

#### 12.6 Other adverse effects

Not known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

#### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

UN No. 3261

#### 14.2 UN proper shipping name

UN proper shipping name CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

#### 14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	8
ADR Classification Code	C4
Special Provisions	274
Limited Quantities	1 kg
Excepted Quantities	E2
Emergency Action Code	2X
Mixed Packing Instructions for Packages	P002 IBC08
Special Packing Provisions for Packages	B4
Mixed Packing Instructions for Packages	MP10
Packing Instructions for Portable Tanks	T3
Special Provisions for Portable Tanks	TP33
Tank Code for Tanks	SGAN L4BN
Special Provisions for Tanks	
Vehicle for Tank Carriage	AT
ADR Transport Category	2
Tunnel Restriction Code	E

Special Provisions for Carriage - Packages	V11
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	
ADR HIN	80
IMDG	
IMDG Class	8
Special Provisions	274
Limited Quantities	1 kg
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P002 IBC08
Special Packing Provisions for Packages	B4
Packing Instructions for Portable Tanks	T3
Special Provisions for Portable Tanks	TP33
IMDG EMS	F-A, S-B
Stowage and Handling	Category B
Segregation	SGG1 SG36 SG49
Marine Pollutant	
ICAO/IATA	
IATA Proper Shipping Name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Excepted Quantities	E2
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y844
Passenger and Cargo Aircraft Limited Quantities Max net Qty	5Kg
Passenger and Cargo Aircraft Packing Instructions	859
Passenger and Cargo Aircraft Max net Qty	15Kg
Cargo Aircraft Packing Instructions	863
Cargo Aircraft Max net Qty	50Kg
Special Provisions	A3, A803
Emergency Response Guidebook (ERG)	8L
Code	
Labels	
Labels	8



**14.4 Packing group**

Packing group II

**14.5 Environmental hazards**

Environmental hazards Classified as a Marine Pollutant.

**14.6 Special precautions for user**

Special precautions for user Not known.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No information available

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

#### National regulations

Other Not known.

### 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

### LEGEND

Hazard Pictogram(s)



GHS05



GHS07



GHS09

Hazard classification

Skin Corr. 1B : Skin corrosion/irritation, Category 1B

Eye Dam. 1 : Serious eye damage/irritation, Category 1

STOT SE 3\_H335 : Specific target organ toxicity — single exposure, Category 3

Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1

Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Hazard Statement(s)

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.



H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P312: Call a POISON CENTER/doctor if you feel unwell.

P321: Specific treatment (see Medical Advice on this label).

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

IATA : International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

#### Disclaimers

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