OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

TRICHLOROACETIC ACID 99% AR

MSDS CAS : 76-03-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name : Trichloroacetic Acid AR
CAS#: 76-03-9
C.I. No.: Not available.
Synonym : Not available.
Chemical Name: Not available.
Chemical Formula: $CCl_3.COOH$

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Trichloroacetic Acid AR	76-03-9	100%

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45

Classification : C; R35
N; R50-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314
Environmental hazards : Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning (CLP
: Aquatic Acute 1) H400
Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning (CLP : Aquatic Chronic 1) H410

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures

Inhalation
Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Skin contact
Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor.

Eye contact
Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

Ingestion :
Rinse mouth. Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Causes severe skin burns and eye damage.

Section 4: First Aid Measures (Continued)

Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

Extinguishing media

Extinguishing media

Suitable extinguishing media : **Foam. Dry powder. Carbon dioxide. Water spray. Sand.**

Unsuitable extinguishing media : **Do not use a heavy water stream.**

Surrounding fires : **Use water spray or fog for cooling exposed containers.**

Special hazards arising from the substance or mixture

Hazardous combustion products : **Under fire conditions, hazardous fumes will be present. Thermal decomposition generates : Corrosive vapours.**

Advice for fire-fighters

Protection against fire : **Do not enter fire area without proper protective equipment, Including respiratory protection.**

Special procedures : **Exercise caution when fighting any chemical fire. Avoid (reject) Fire-fighting water to enter environment.**

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders : **Equip cleanup crew with proper protection. Ventilate area.**

For non-emergency personnel : **Evacuate unnecessary personnel.**

Environmental precautions

Environmental precautions : **Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.**

Methods and materials for containment and cleaning up

Section 6: Accidental Release Measures (Continued)

Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

Section 7: Handling and Storage

Precautions for safe handling

Handling : Wash thoroughly after handling. Avoid contact during pregnancy or while nursing. Do not breathe dust, fume, gas, mist, vapours, spray.

Technical protective measures : Provide good ventilation in process area to prevent formation of Vapor.

Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage regulation : Comply with applicable regulations.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Specific end uses

Specific end use(s) : None.

Section 8: Exposure Controls/Personal Protection

Personal protection : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Skin protection** : Wear suitable protective clothing.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits : No data available.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C	**: Solid.**
Color	**: Colorless crystals**
Odor	**: N/A**
Odor threshold	**: No data available.**
pH value	**: Not Applicable**
Melting point [°C]	**: 54 - 58 °C**
Decomposition point [°C]	**: N/A**
Critical temperature [°C]	**: N/A**
Auto-ignition temperature [°C]	**: N/A**
Flammability (solid, gas)	**: N/A**
Flash point [°C]	**: > 113 °C**
Boiling point [°C]	**: 196 °C**
Initial boiling point [°C]	**: N/A**
Final boiling point [°C]	**: N/A**
Evaporation rate	**: N/A**
Vapour pressure [20°C]	**: N/A**
Vapour pressure mm/Hg	**: N/A**
Vapour density	**: 5,64**
Density [g/cm3]	**: 1,6**
Relative density, gas (air=1)	**: N/A**
Relative density, liquid (water=1)	**: N/A**
Solubility in water [% weight]	**: Soluble in water**
Solubility in water	**: N/A**
Log Pow octanol / water at 20°C	**: No data available.**
Solubility	**: Acidic.**
Viscosity at 40°C [mm2/s]	**: N/A**
Molecular Weight	**: 163.39**

Other information

Explosive properties	**: N/A**
Explosion limits - upper [%]	**: N/A**
Explosion limits - lower [%]	**: N/A**
Oxidizing properties	**: No data available.**

Section 10: Stability and Reactivity Data

Reactivity

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions : Not established.

Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.
Thermal decomposition generates : Corrosive vapours.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

• Inhalation	**: Based on available data, the classification criteria are not met.**
• Dermal	**: Based on available data, the classification criteria are not met.**
• Ingestion	**: Based on available data, the classification criteria are not met.**
Corrosion	**: Causes severe skin burns and eye damage.**
Irritation	**: Based on available data, the classification criteria are not met.**
Sensitization	**: Based on available data, the classification criteria are not met.**
Mutagenicity	**: Based on available data, the classification criteria are not met.**
Carcinogenicity	**: Based on available data, the classification criteria are not met.**
Toxic for reproduction	**: Based on available data, the classification criteria are not met.**
STOT-single exposure	**: Based on available data, the classification criteria are not met.**
STOT-repeated exposure	**: Based on available data, the classification criteria are not met.**
Aspiration hazard	**: Based on available data, the classification criteria are not met.**

Section 12: Ecological Information

Toxicity

Toxicity information : Very toxic to aquatic life with long lasting effects.

Persistence – degradability

Persistence - degradability : May cause long-term adverse effects in the environment.

Bio accumulative potential

Bio accumulative potential : Not established.

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions: Avoid release to the environment.

Section 13: Disposal Considerations

Waste treatment methods

General: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name	**: TRICHLOROACETIC ACID**
UN N°	**: 1839**
H.I. nr	**: 80**
ADR - Class	**: 8**

Section 14: Transport Information (Continued)

Labelling - Transport : **8 : Corrosive substance.**
ADR - Group : **II**

Sea transport (IMDG) [English only]

Proper shipping name : **TRICHLOROACETIC ACID**
UN N° : **1839**
IMO-IMDG - Class or division : **8 : Corrosive substance.**
IMO-IMDG - Packing group : **II**

Air transport (ICAO-IATA) [English only]

Proper shipping name : **TRICHLOROACETIC ACID**
UN N° : **1839**
IATA - Class or division : **8 : Corrosive substance.**
IATA - Packing group : **II**

Section 15: Other Regulatory Information

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

Safety, health and environmental: **Ensure all national/local regulations are observed.**
Regulations/legislation specific for
The substance or mixture

REACH Restrictions - Annex XVII: **The components of this product are not subject to restrictions.**

REACH Authorization - Annex XIV: **The components of this product are not subject to authorization.**

Chemical Safety Assessment
Chemical Safety Assessment: **It has not been carried out.**

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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