

## 1. Identification

Product Code **CT4904-52**

Product Name **TRICHLOROACETIC ACID**

Molecular Formula  **$\text{CCl}_3\text{COOH}$  =163.39**

CAS Number **76-03-9**

Supplier: **BEECROFT & PARTNERS**

 Northfield Road  
Rotherham  
South Yorkshire

Phone **01709-377881**

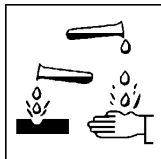
Fax **01709-369264**

Emergency Telephone **08:30-1700 01709-377881**  
**24hr 112**  
(Have this document to hand)

## 2. Composition

| Component            | CAS No  | EEC No    | Conc w/w | Classification & Risk Phrases | Exp (See 8.1) |
|----------------------|---------|-----------|----------|-------------------------------|---------------|
| Trichloroacetic acid | 76-03-9 | 200-927-2 | > 97.0%  | C N : R35,R50/53              | N/A           |

## 3. Hazards Identification



Causes severe burns. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.

## 4. First Aid Measures

**Eyes** Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION URGENTLY.

**Skin** Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. OBTAIN MEDICAL ATTENTION URGENTLY.

**Inhalation** Remove from exposure.

**Ingestion** If conscious wash out mouth thoroughly with water and give water or milk to drink. OBTAIN MEDICAL ATTENTION URGENTLY.

## 5. Fire Fighting Measures

**Hazards** Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

**Extinguishing Media** Alcohol resistant foam, dry powder, or carbon dioxide.

**Unsuitable Media** Nothing specified.

## 6. Accidental Release Measures

|                     |                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Protection | Use approved personal protective equipment. Do not allow other people to enter area.                                                                                                 |
| Environmental       | Keep non-neutralised material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs. |
| Major Spillage      | Neutralise spill with soda ash, lime, calcium carbonate or sodium bicarbonate. Shovel/sweep up into container for removal Wash area down with copious amounts of water.              |
| Minor Spillage      | Wash area down with copious amounts of water.                                                                                                                                        |

## 7. Storage & Handling

|                      |                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Precautions | Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.<br><br>Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum. |
| Storage Conditions   | Well ventilated, cool, dry storage . Protect against moisture to prevent decomposition and corrosion.                                                                           |

## 8.1 Occupational Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

|             |                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------|
| Respiratory | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hands       | Wear gloves.                                                                                                       |
| Eyes        | Use chemical full face shield.                                                                                     |
| Skin        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |

## 9. Physical & Chemical Properties

|                       |                                          |
|-----------------------|------------------------------------------|
| Appearance            | White deliquescent crystalline material. |
| Odour                 | No specific odour.                       |
| pH                    | 1 (1g/l solution )                       |
| Boiling point         | 198.0 °C                                 |
| Melting point         | 56.0 °C                                  |
| Flash point           | 230.0 °C (Closed cup)                    |
| Upper Flammable Limit | Not available                            |
| Lower Flammable Limit | Not available                            |
| Auto Ignition         | Not available                            |
| Explosive properties  | No.                                      |
| Oxidising Properties  | No.                                      |
| Vapour Pressure       | 1 hPa @ 50C                              |
| Relative Density      | 1.6290                                   |
| Water Solubility      | 120%                                     |

## 10. Stability & Reactivity

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| Chemical Stability               | Stable under normal conditions                                        |
| Conditions to Avoid              | Avoid contact with moisture as product is very hygroscopic.           |
| Materials to Avoid               | Strong oxidising agents. Alkalis.                                     |
| Hazardous Decomposition Products | Will decompose to emit toxic and irritant fumes of hydrogen chloride. |

## 11. Toxicological Information

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes                 | Contact with the solid or solution will cause severe burns. Damage can range from severe irritation and corneal scarring to permanent blindness. |
| Skin                 | Contact with the solid or solution will cause severe burns.                                                                                      |
| LD50 Skin            | Not available                                                                                                                                    |
| Ingest               | Causes severe corrosion of the mouth, throat and gastro-intestinal tract.                                                                        |
| LD50 Ingest          | Oral Rat 400 mg/Kg                                                                                                                               |
| Inhalation           | Inhalation of dust will produce severe irritation of the eyes, nose, throat and respiratory tract.                                               |
| Carcinogenicity      | Not considered to be a carcinogen.                                                                                                               |
| Mutagenicity         | Not considered to be a mutagen.                                                                                                                  |
| Reproductive Effects | None identified.                                                                                                                                 |

## 12. Ecological

Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.

## 13. Disposal Considerations

|                        |                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Disposal Methods       | Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| Contaminated Packaging | Clean out with a weak sodium hydroxide solution then wash out thoroughly with water. Use a licensed waste disposer.                      |

## 14. Transport Information

|                      |                       |
|----------------------|-----------------------|
| Proper Shipping Name | Trichloroacetic acid  |
| UN Number            | 1839                  |
| UN Classification    | 8 Corrosive           |
| Subsidiary Risk      | None                  |
| Flash Point          | 230.0 °C (Closed cup) |
| Packing Group        | II                    |
| Marine pollutant     | No                    |
| ADR Hazard ID        | 80                    |

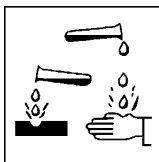


## 15. Regulatory Information

|                |                                           |
|----------------|-------------------------------------------|
| Labelling      | Corrosive, Dangerous for the Environment. |
| Classification |                                           |

Label Symbols

C



N



|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Risk & safety Phrases | Causes severe burns. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Keep locked up and out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label). This material and/or its container must be disposed of as hazardous waste. Avoid release to the environment, refer to special instructions/safety data sheet. |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |           |
|------------|-----------|
| EEC Number | 200-927-2 |
|------------|-----------|

## 16. Other Information

Document Information      This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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