

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** TRISODIUM CITRATE DIHYDRATE**CAS number:** 6132-04-3**Product code:** F79233**Synonyms:** SODIUM CITRATE TRIBASIC DIHYDRATE  
TRISODIUM CITRATE DIHYDRATE  
CITRIC ACID TRISODIUM SALT DIHYDRATE**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Philip Harris Ltd  
2 Gregory Street  
Hyde  
Cheshire  
SK14 4HR  
United Kingdom**Tel:** +44 (0)845 1200 506**Fax:** +44 (0)161 367 2140**Email:** [enquiries@philipharris.co.uk](mailto:enquiries@philipharris.co.uk)**1.4. Emergency telephone number****Emergency tel:** +44 (0) 845 1200 506**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** This product has no classification under CLP.**2.2. Label elements****Label elements:** This product has no label elements.**2.3. Other hazards****Other hazards:** The substance is not classified as hazardous to health or the environment according to the CLP regulation. This substance is not classified as dangerous according to Directive 67/548/EEC.**PBT:** This product is not identified as a PBT substance.

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**Section 3: Composition/information on ingredients**

**3.1. Substances**

**Chemical identity:** TRISODIUM CITRATE DIHYDRATE

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a Doctor

**Eye contact:** Bathe the eye with running water for 15 minutes. Protect uninjured eye. Remove contact lenses, if present and easy to do. Consult a doctor.

**Ingestion:** Seek urgent medical attention.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Keep patient warm. If breathing is irregular or stopped, administer artificial respiration. Consult a doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In case of fire may be liberated: Carbon Dioxide (CO<sub>2</sub>) Carbon monoxide In combustion emits toxic fumes of sodium oxides.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

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**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Do not allow to enter into soil/subsoil.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Collect mechanically.

**6.4. Reference to other sections**

**Reference to other sections:** See section 7. Refer to section 8 of SDS. Refer to section 13 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Keep containers tightly sealed. Store in cool, Dry place in tightly closed containers.  
Ensure good ventilation/exhaustion at the work place.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store away from strong bases. Store away from reducing agents. Do not store with organic materials.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**8.1. DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

**Respiratory protection:** Use breathing protection with high concentrations.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Protective clothing. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash hands before breaks and after work.

**Section 9: Physical and chemical properties**

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

**State:** Solid

**Colour:** White

**Odour:** No data available

**Evaporation rate:** No data available

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**Oxidising:** No data available  
**Solubility in water:** 29.4 g/l Soluble  
**Also soluble in:** No data available.  
**Viscosity:** No data available  
**Viscosity test method:** No data available.  
**Melting point/range°C:** 300°C

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** No data available.

**10.2. Chemical stability**

**Chemical stability:** Stable under recommended storage conditions

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**10.4. Conditions to avoid**

**Conditions to avoid:** No data available

**10.5. Incompatible materials**

**Materials to avoid:** Bases. Reducing agents. Organic materials.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** Carbon Monoxide and Carbon Dioxide. Sodium Oxide

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:** No data available.

**Symptoms / routes of exposure**

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. may cause respiratory tract irritation.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

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**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

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

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.