



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 12489
Product Name : tri SODIUM CITRATE

Manufacturer/supplier identification
Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 6132-04-3 Ec-Index No. : -----
Molar Mass : 294.10 EC-No. : 200-675-3
Molecular formula : $C_6H_5Na_3O_7 \cdot 2H_2O$

3. HAZARDS INDEX

No suitable for toxicological evaluation are available. A classification according to corresponding categories of danger as specified in Directive 67/548/EEC & laid down in the legislation of the country concened can therefore not be made. In this context, hazardous properties can therefore not be excluded.

4. FIRST AID MEASURES

After inhalation : Fresh air.
After skin contact: wash off with water.

After eye contact : Rinse out with plenty of water.

After swallowing : make victim drink plenty of water, induce vomiting,
summon doctor if feeling unwell.

5. FIRE-FIGHTING MEASURES :

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.

Special risks : Combustible.

6. ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures : Avoid generation of dusts; do not inhale dusts.
Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Clean up affected area.

7. HANDLING AND STORAGE

Handling - No further requirements.
Storage - Tightly closed. Dry.
Storage temperature : no restrictions.



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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : required when dusts are generated.
Eye Protection : required
Hand Protection : not required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

Industrial hygiene : Immediately change contaminated clothing. Apply skin Protective barrier cream. Wash hands and face after working with substance.

9.. PHYSICAL AND CHEMICAL PROPERTIES

Form	: solid
Colour	: white
Odour	: odourless
pH value at 50 g/l H ₂ O (20° C)	: 7.5 - 9.0
Melting temperature	: 150° C
Boiling temperature	: Not available
Ignition temperature	: Not available
Flash Point	: Not applicable
Explosion limit lower	: Not available
upper	: Not available
Relative vapour density	: Not available
Density	: Not available
Bulk density	: Near 600 kg/m ³
Solubility in Water (25° C)	: 720 gm/l.
Water (100° C)	: 1670 gm/l.

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available
Substances to be avoided : No information available

Hazardous decomposition products : No information available

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Quantitative data on the toxicity of this product are not available.
Further toxicological information :
After eye contact : Slight irritations.
After swallowing of large amounts : Bloody vomiting, disturbed electrolyte balance
Burns in oesophagus and stomach.

Further data : No toxic effects are to be expected when the product is handled appropriately.



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12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

Further ecologic data : COD : 480 mg/gm ; ThOD : 544 mg/gm

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL METHOD

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled

15. TRANSPORT INFORMATION

Not subject to transport regulations.

16. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : ----

R-phrases : ----

S-phrases : ----

Water pollution class : 0 (generally nonpolluting substance)
(own classification)

17. OTHER INFORMATION

Reason for alteration

General update

The information contained herein is based on the present state of our knowledge, It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
