



MATERIAL SAFETY DATA SHEET

According to 91/155 EC

1. Product Name & code details

Name	TRIOXI A09
Code	TD/A09/CD

2. Composition /Information on Ingredients

Dangerous Ingredients		
(%) Ingredient 1	> 30	Sodium Hydroxide (CAS no. 1310-73-2) C, Corrosive – R35 OES 2mgs/m ³ 15 minute STEL
(%) Ingredient 2	1-5%	Sodium Gluconate (CAS No. 527-07-1)
(%) Ingredient 3		
Ingredients according to 89/542/EEC		
(%) Ingredient 1	> 30	Sodium hydroxide and phosphonates

3. Hazards Identification

Corrosive – causes severe burns

4. First Aid Measures

- **EYES** Wash immediately with copious amount of water and obtain medical attention without delay
- **SKIN** Wash skin immediately and thoroughly with water. Remove contaminated clothing and obtain medical attention. without delay
- **INHALATION** Remove from source of exposure and obtain medical attention without delay
- **INGESTION** Remove product from mouth and drink 1 or 2 glasses of water (or milk) and obtain medical attention without delay

5. Fire Fighting Measures

- **NON FLAMMABLE:** In the event of fire due to other causes, the product is compatible with water, foam, carbon dioxide or dry powder extinguisher
- **Exposure Hazards:** If involved in the fire may evolve hazardous fumes of Nitrogen Dioxide and Nitric Oxide.
- **Protective Equipment:** Fire-fighters should wear self contained breathing apparatus and suitable protective clothing including eye/face protection

6. Accidental release Measures

- **Personal Protection:** Wear Suitable protective clothing, gloves and eye face protection
- **Disposal:** Absorb with inert material and sweep off the area and dispose as solid waste.

Hose down area with plenty of water at 0.5% concentration unless this would contaminate a water course or vegetation, in which case either collect, dilute as earlier and pour down a wastewater drain or absorb on to sand or similar material and dispose of to a licensed waste management company.

7. Handling and Storage

- **Handling** Avoid Contact with skin, eye and clothing
- **Storage** Store in original containers away from extreme temperature

8. Exposure Controls / Personal Protection

- **Eyes** When handling neat products or solutions wear eye, face protection
- **Hand** Use alkali resistant gloves
- **Skin** Wear protective clothing
- **Respiration** Use mask
- **OES/MEL** 2mgs/m³ 15 minute STEL

9. Physical and Chemical Properties

Appearance	Clear straw coloured liquid
Odour	Chemical note
pH of neat	> 13
Boiling Point, °C	> 100
Melting Point	Liquid
Flash Point	Not applicable
Flammability	Not applicable
Auto flammability	Not applicable
Explosive Properties	Not applicable
Vapour Properties	Not applicable
Specific Gravity at 20°C	1.45
Solubility	Water soluble
Other	Not required

10. Stability and Reactivity

Avoid extreme of temperatures

Keep away from aluminium, tin, zinc and their alloys. Contact with these materials liberates hydrogen gas, which may form explosive mixtures with air.

Hazard Decomposition Product: Not known

11. Toxicological Information

- **Eyes** Causes severe burns and permanent damage
- **Skin** Causes severe burns
- **Inhalation** Severe irritant may cause pulmonary oedema
- **Ingestion** Causes burns
- **General** Nil

12. Ecological Information

When handled and disposed of as directed this product should not cause adverse effects in the environment. Only source contamination is alkalinity

13. Disposal Considerations

- Absorb with inert material and sweep off the area and dispose as solid waste.
- Hose down area with plenty of water at 0.4% concentration unless this would contaminate a water course or vegetation, in which case either collect, dilute as earlier and pour down a wastewater drain or absorb on to sand or similar material and dispose of to a licensed waste management company.
- Packaging to be discarded as solid waste after rinsing twice with water

14. Transport Information

- **Legal Regulation** C, Corrosive, Sodium Hydroxide solution, UN 1824, Hazchem 2R
- **IMDG/UN** Sodium hydroxide, Solution, UN 1824 Class 8 PG III
- **RID/ADR** Class 8, Item 42(b)



- ICAO/IATA

Passenger Aircraft 809, Y809
Cargo Aircraft : 813

15. Regulatory Information

- **Hazard Symbol** C, Corrosive, Contains Sodium hydroxide solution
- **Risk Phrases** R 35 – causes severe burns
S26- In case of contact with eye, rinse immediately with plenty of water and seek medical aid
S36/37/39 -Wear suitable protective clothing, gloves and eye face protection
- **Safety Phrases** S45 – In case of accident and if you feel unwell seek medical advice immediately

16. Miscellaneous information

- Remove heavily contaminated clothing and wash well before use
- Keep out of reach of children

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