Global Product Strategy

Product Stewardship Summary

Sodium Tolyltriazole

Chemical Identity and Synonyms
- Sodium tolyltriazole
- 1H-Benzotriazole, 4(or 5)-methyl-, sodium salt
- C.A.S. Number: 64665-57-2

Physical Chemical Properties
- Liquid
- Not flammable or combustible
- Soluble in water

Nalco Products
- 3D TRASAR® 3DT197 and 3D TRASAR® 3DT198 (This list only represents the products with the highest sales volume that contain this specific material).

Product Uses
- Sodium tolyltriazole is used as a corrosion inhibitor. It is used to protect copper and copper alloy piping in industrial water systems such as recirculating cooling water systems.

Chemical Related Health Information
- Sodium tolyltriazole is moderately toxic if swallowed and has a low toxicity when applied to skin.
- Sodium tolyltriazole is corrosive to eyes and skin.
- This chemical is not expected to produce skin sensitization
- Sodium tolyltriazole did not cause damage to genetic material (DNA) in laboratory tests.
- There is no evidence that sodium tolyltriazole impairs fertility or reproduction.

Chemical Related Environmental Information
- Sodium tolyltriazole is slightly toxic to fish and algae.
- This chemical has a low toxicity to aquatic invertebrates.
- Sodium tolyltriazole will biodegrade in the environment.
- Sodium tolyltriazole is not likely to bioaccumulate.
**Chemical Exposure Potential**

- Engineering controls are in place at Nalco facilities to reduce exposures of this chemical to employees, stakeholders, and the environment.
- This chemical is not released to the air.
- The packaged products are warehoused and any spills in the warehouse that are not immediately contained, naturally drain to our process water waste treatment. The spilled material is then segregated to different tanks for disposal or treatment, depending on the severity of the spill. All treated wastewater is monitored and analyzed continually for compliance with state and local regulation.
- Sodium tolyltriazole is used in industrial applications and potential exposure is limited to those individuals working at the facility.
- Nalco products are usually diluted at the customer’s site to achieve the final use concentration. In the case of sodium tolyltriazole, the application dosage in the cooling water is typically very low in the 0.5 to 2 parts per million range.

**Chemical Risk Mitigation**

- Risk is measured as a function of hazard and exposure. Sodium tolyltriazole has a high hazard for humans based on corrosivity and a low hazard for the environment.
- When handled properly, utilizing appropriate personal protection equipment (PPE), potential exposure to this sodium tolyltriazole is significantly reduced.
- Under normal conditions of anticipated use and when used with appropriate handling procedures and PPE, the overall potential risk of sodium tolyltriazole salt to human health and the environment is low.
- As with all products, care must be taken to prevent its release to the environment. In the event of a chemical release or spill Nalco has procedures in place that will reduce the potential human and/or environmental exposure through containment and remediation efforts.

**Legal Statements**

This product stewardship summary provides only basic health and safety information for general public use. Product stewardship summaries are not to be used in lieu of any regulatory or legal documentation and are not to be substituted for any right-to-know notifications.