

## Global Product Strategy

### Product Stewardship Summary

#### Organic Sulfonic Acid Salts II

#### Chemical Identity and Synonyms

- Organic Sulfonic Acid Salts II
- The chemical identity of these materials is considered proprietary information

#### Physical Chemical Properties

- Dispersible in water and hydrocarbon solvents.

#### Nalco Products

- Nalco 1620, Nalco 1702, Nalco 2642, DUSTCON, Haulage DC, PC-67 (This list only represents the products with the highest sales volume that contain this specific material)

#### Product Uses

- Organic sulfonic acid salts II are used as anionic surface-active agents.
- Nalco products which contain organic sulfonic acid salts II are used as industrial cleaners in the paper making process, as membrane cleaners for Reverse Osmosis and nano-filtration, and as dust control aids.
- Nalco products are used only in industrial settings and thus do not have expected consumer exposure.

#### Chemical Related Health Information

- Organic sulfonic acid salts II are expected to be moderately to severely irritating to the eyes and moderately irritating to the skin.
- Organic sulfonic acid salts II are expected to have low to moderate toxicity when ingested and very low toxicity when absorbed through the skin.
- Organic sulfonic acid salts II are of moderate toxicity if inhaled.
- Organic sulfonic acid salts II are not expected to cause reproductive impairment or harm to the unborn child.
- Organic sulfonic acid salts II are not expected to cause allergic reaction when in contact with the skin.
- Organic sulfonic acid salts II are not expected to be genotoxic based on multiple negative test results in genotoxicity assays.

## Chemical Related Environmental Information

- Organic sulfonic acid salts II are of moderate toxicity to freshwater fish and invertebrates.
- Organic sulfonic acid salts II are moderately toxic to algae species.
- Organic sulfonic acid salts II are considered to be readily biodegradable under aerobic conditions.
- Organic sulfonic acid salts II are not expected to bioaccumulate.

## Chemical Exposure Potential

- Engineering controls are in place at Nalco facilities to reduce exposures of organic sulfonic acid salts to employees, stakeholders, and the environment.
- Organic sulfonic acid salts are not volatile and therefore 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.
- Organic sulfonic acid salts are used in industrial applications and potential exposure is limited to those individuals working at the facility. It is not used in consumer applications, and is generally used in closed systems.
- In order to prevent skin exposures to organic sulfonic acid salts II, it is suggested that workers wear appropriate personal protective equipment such as gloves and laboratory coats.
- In order to prevent eye exposures to organic sulfonic acid salts II, chemical splash goggles are recommended.

## Chemical Risk Mitigation

- Risk is measured as a function of hazard and exposure. This material has moderate hazards for humans and moderate hazards for the environment.
- When handled properly, utilizing appropriate personal protection equipment (PPE), potential exposure to this material is significantly reduced.
- Under normal conditions of anticipated use and when used with appropriate handling procedures and PPE, the overall potential risk of this material 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.