Alkyl Sulfonate

Material Safety Data Sheet (MSDS)

1. PRODUCT IDENTIFICATION

   Product Name: alkyl sulfonate
   INCI Name: sodium C14-17 alkyl sec sulfonate
   Synonyms: 
   CAS Number: 97489-15-1
   EINECS Number: 307-055-2
   Origin: synthetic

2. PHYSICAL & CHEMICAL PROPERTIES

   Melting Point: not applicable
   Boiling Point: 1000°C (212°F)
   Density: 1.08 g/cm³
   % Volatile by Volume: not determined
   Specific Gravity: not determined
   Solubility in water: soluble
   pH Value: approx. 7 (5% solution)
   Appearance & Odor: yellow slightly viscous liquid, faint odor

3. STABILITY & REACTIVITY

   Chemical Stability: stable under normal conditions
   Incompatibility: none with proper storage
   Hazardous Decomposition: biodegradable; burning can produce carbon monoxide and carbon dioxide
   Hazardous Polymerisation: will not occur

4. HANDLING & STORAGE

   Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
   Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

5. ACCIDENTAL RELEASE MEASURES

   Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

6. EXPOSURE CONTROLS & PERSONAL PROTECTION

   Respiratory Protection: Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.
   Protective Clothing: Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield recommended for eye protection.
   Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

7. HAZARDS IDENTIFICATION

   General: May cause irritation to skin, eyes, and respiratory system.
   Inhalation: Inhalation of vapors or mist may be irritating to the respiratory system.
   Eye Contact: Eye irritant. Can cause serious damages to the eyes as blurred vision or permanent damage.
   Skin Contact: can cause skin irritation
   Ingestion: Do not ingest; product may cause gastrointestinal irritation.

8. FIRST AID MEASURES

   Eyes: Irrigate eyes with a heavy stream of water for at least 20 minutes. Seek medical attention if symptoms persist.
   Skin: Wash exposed areas of the body with plenty of water.
   Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
   Ingestion: Drink water. Do not induce vomiting. If gastrointestinal symptoms develop, consult medical personnel.

9. FIRE FIGHTING MEASURES

   Flash Point: 94°C (201°F)
   Extinguishing Media: water spray, foam, carbon dioxide
   Fire Fighting Procedures: Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

10. TOXICOLOGICAL INFORMATION

   Acute LD50: >2000 mg/kg (rat, oral)
   Dermal and Eye Irritation Test: irritant (source: CESIO)
   Carcinogenicity: no data available
   Mutagenicity: no data available

11. DISPOSAL CONSIDERATIONS

   Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

12. TRANSPORT INFORMATION

   General Information: not regarded as hazardous material
   DOT Shipping Name: Refer to corresponding hazard class
   ADR/RIC Code: Refer to corresponding hazard class
   Sea Transport IMDG Code: Refer to corresponding hazard class
   Air Transport IATA: Refer to corresponding hazard class

13. DISCLAIMER

   This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.

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