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MATERIAL SAFETY DATA SHEET (MSDS)**SODIUM SALICYLATE LR****1. Product Identification**

Synonyms: Salicylic acid, sodium salt; Sodium o-hydroxybenzoate; Diuretin
CAS No.: 54-21-7

Product Coad: S0191900500

Molecular Weight: 160.10
Chemical Formula: NaC₇H₅O₃

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sodium Salicylate	54-21-7	99 - 100%	Yes

3. Hazards Identification

Emergency Overview WARNING! HARMFUL IF SWALLOWED. AFFECTS CENTRAL NERVOUS SYSTEM. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing, sore throat, labored breathing, and chest pain. **Ingestion:** Ingestion of sizable amounts can cause "salicylism", as evidenced by abdominal pain, vomiting, increased respiration, and mental disturbances.

Fatalities resulting from respiratory or cardiovascular failure are known. Mean lethal adult dose of salicylates is between 20 and 30 grams. **Skin Contact:** May cause irritation with redness and pain.

Eye Contact: May cause irritation, redness and pain.

4. First Aid Measures

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention. **Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops. **Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

5. Fire Fighting Measures

Fire: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. **Explosion:** Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. **Fire Extinguishing Media:** Water spray, dry chemical, alcohol foam, or carbon dioxide. **Special Information:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

7. Handling and Storage

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Store in the dark. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details. **Personal Respirators (NIOSH Approved):** For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type

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N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. **Skin Protection:** Wear protective gloves and clean body-covering clothing. **Eye Protection:** Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: Colorless to white crystals; turns pink on exposure to light. **Odor:** Characteristic odor. **Solubility:** 111 g/100 g water @ 15C (59F)
Specific Gravity: No information found. **pH:** 5 - 6
% Volatiles by volume @ 21C (70F): 0

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. **Hazardous Decomposition Products:** May produce oxides of carbon and the contained metal. **Hazardous Polymerization:** Will not occur. **Incompatibilities:** Ferric salts, lime water, iodine, strong oxidizing agents, silver nitrate, spirit nitrous ether, mineral acids, lead acetate, sodium phosphate powder. **Conditions to Avoid:** Light and incompatibles.

11. Toxicological Information

Oral rat LD50: 930 mg/kg. Investigated as a mutagen, reproductive effector.

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Sodium Salicylate (54-21-7)	No	No	None

12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: 96 Hr LC50 fathead minnow: 1370 mg/L (flow-through)

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

NON HAZARDOUS FOR AIR, ROAD AND SEA TRANSPORT

15. REGULATORY

SARA Title III: N/A

Federal Regulatory: N/A

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NFPA Ratings: Health: 1 Flammability: 1 Reactivity: 0

Label Hazard Warning: **WARNING! HARMFUL IF SWALLOWED. AFFECTS CENTRAL NERVOUS SYSTEM. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.**

Label Precautions: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing dust. Keep container closed. Use with adequate ventilation. **Label First Aid:** If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. **Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
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