

MATERIAL SAFETY DATA SHEET

Salicylic Acid, USP

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Product/Chemical Name: Salicylic Acid, USP (2-hydroxybenzoic acid)

Formula: C₇H₆O₃

Physical Description: White, acicular crystals with an acrid taste. Mol Wt. 138.12.

Boiling Point: 211°C Melting Point: 159°C Specific Gravity: 1.443, Vapor pressure 4.8, pH 2.4 @ saturated solution

Cercia Rating: (scale 1-3) Health = 3, Fire = 1, Reactivity = 0, Persistence = 1

Unusual Fire/Explosion Hazards: Slight if exposed to heat or flame. Dust/air mixtures may ignite or explode.

Reactivity: Stable under normal temperature and pressures. Gradually discolors on exposure to sunlight. Incompatible with strong oxidizers (fire and explosion hazard).

Hazardous Decomposition Products: N/A

Spill or Leak Procedures

Action: Small amounts, clean up with a high-efficiency particulate filter vacuum.

Disposal Method: To be performed in compliance with all current local, state and federal regulations.

Overexposure Effects: Irritating to skin, respiratory tract, eyes. Ingestion may affect the central nervous system and kidneys. Toxicity: human - 57 mg/kg, skin-human TDLo, oral-rat LD50 891 mg/kg.

First Aid Procedures

Skin: Remove contaminated clothing and shoes. Flush affected area with soap and mild detergent and large amounts of water until no trace of chemical remains. Get medical attention.

Eyes: Check for and remove any contact lenses. Flush eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower eyelids, until no evidence of chemical remains (approx. 15-20 minutes). Get immediate medical attention.

Ingestion: Check for and remove any dentures. Do not induce vomiting unless instructed to do so by medical personnel. Loosen tight clothing. Lavage and catharsis are helpful up to 12 hours after ingestion. Do not use apomorphine or other CNS depressants such as barbituates. Give CPR if breathing is stopped or respiration depressed.

Inhalation: Remove from exposure area to fresh air immediately. If breathing has stopped, perform CPR. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

Storage Recommendations: Store protected from light at room temperature.

Special Protection Information

Provide local exhaust ventilation. Any dust and mist respirator. Employee must wear appropriate protective clothing and equipment to prevent repeated or prolonged skin contact. Employee must wear appropriate protective gloves and splash proof or dust-resistant safety goggles and faceshield.