

MATERIAL SAFETY DATA SHEET

July 1, 1986

002888

SECTION I NAME

SALICYLIC ACID

Product	2-HYDROXYBENZOIC ACID	CHEMREC 800-424-9300	Health	1
Chemical Synonyms	2-HOC ₆ H ₄ COOH	716-226-6177	Fire	1
Formula		716-334-4222	Reactivity	1
Units) Size	2.5 kg.			
C.A.S. No.	69-72-7			

Principal Hazardous Component(s)	%	TLV Units
	100%	None established

WARNING! CAUSES SKIN AND EYE IRRITATION-HARMFUL IF SWALLOWED.

SECTION III. PHYSICAL DATA

Melting Point (°F)	158.0 - 161.0°C	Specific Gravity (H ₂ O = 1)	1.443 (20°/4°C)
Boiling Point (°F)	Sublimes @ 76°C	Percent Volatile by Volume (%)	Negligible
Vapor Pressure (mm Hg)	1 mm at 113.7°C	Evaporation Rate	Not applicable
Vapor Density (Air = 1)	4.8		
Solubility in Water	Slight		
Appearance and Odor	White crystalline solid; no odor.		

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	315°F (157°C)	Flammable Limits in Air % by Volume (calculated)	Lower @ 200°C	Upper
Extinguisher Media	Carbon dioxide (CO ₂); dry chemical (ABC); water spray.			

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

Autoignition temperature 1004°F (540°C).

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dust may form flammable and explosive mixture with air.
Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. NON-REGULATED.

FREY SCIENTIFIC
905 HICKORY LANE MANSFIELD OHIO 44905
MSDS No. Effective Date

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V. HEALTH HAZARD DATA

Threshold Limited Value

Effects of Overexposure
None established.

Emergency and First Aid Procedures
INGESTION: Can cause muscular weakness, headache, confusion, and sweating.
SKIN: Can cause severe irritation.
EYES: Can cause severe irritation.
INHALATION: Symptoms of poisoning are nausea, vomiting, ringing in ears, dizziness, headache, chilliness, confusion, sweating, and rapid pulse.
IMMEDIATE: Remove to fresh air. Get medical attention.
SKIN: Immediately flush with plenty of water for at least 15 minutes.
EYES: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
INGESTION: If swallowed, give water, induce vomiting and call a physician.

SECTION VI. REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature and heat.
	Stable		
Incompatibility (Materials to avoid)	Strong oxidizers, iron salts, spirit nitrous ether, lead acetate, and iodine.		

Hazardous Decomposition Products

Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

SECTION VII. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Carefully sweep up, avoid making dust, and place in a suitable container.

Waste Disposal Method

Dispose of in an approved incinerator or contact a licensed chemical waste disposal agency.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Respirator Protection	work in a ventilation hood or wear a NIOSH-approved dust mask.
Ventilation	Local Exhaust Recommended Mechanical/General Recommended
Protective Gloves	Rubber
Other Protective Equipment	Smock, apron, safety glasses, vented hood, proper gloves, eye wash station, and fire extinguisher.

SECTION IX. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing
Store in a cool, dry place. Wash thoroughly after handling.

Other Precautions

Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
Rev. No. 1/1 Date 1/1/87 Approved *[Signature]* Chemical Safety Coordinator

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials.