



Safety Data Sheet

Better Chemistry. Better Business

ACID SALT CAP

Revised: 7/20/2016

1 IDENTIFICATION

Product Name: ACID SALT CAP

Product Code :2541059

Recommended use of the chemical and restrictions on use:Metal finishing

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Hazard Category: Eye Damage/Irritation Hazard Category 1

Hazard Statements: Causes serious eye damage.

Prevention: Wear rubber gloves, goggles and chemical protective clothing.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Sodium Bisulfate	Sodium Hydrogen Sulfate	7681-38-1	Approx 90%
Sodium Fluoride		7681-49-4	Approx 10%
Sodium Bifluoride	-	1333-83-1	Approx 10%

4 FIRST AID

After Inhalation:

If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Administer artificial respiration if breathing has stopped.

After Skin Contact:

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

After Eye Contact:

Immediately flush the eyes with large quantities of running water for 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyelids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue rinsing for an additional 15 minutes if the physician is not available.

After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting.

If swallowed: Immediately call poison center or doctor.

Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects**Inhalation:**

Inhalation of dust may irritate nose, throat and/or lungs.

Eye:

Severe eye and or skin irritation or burns.

Skin:

Prolonged exposure may cause skin irritation.

Ingestion:

Ingestion: May cause irritation and burning of the lips, mouth and throat,

Chronic:

Repeated or prolonged exposure to and absorption of the fluoride ion can cause kidney damage as well as fluorosis (brittle bones, calcified ligaments and anemia).

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:	Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.
Special protective equipment and precautions for firefighter	Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc	Wear chemical goggle, gloves and face shield and protective clothing.
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Methods and Materials for containment & cleaning up:	Provide sufficient ventilation.
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If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling:	Wear rubber gloves, goggles and chemical protective clothing. Do not get in eyes, or on skin, or on clothing.
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Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Wash hands thoroughly after handling.

**Conditions for safe storage,
inc any incompatibilities:**

Store in cool dry place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Sodium Bisulfate	Not established		
Sodium Fluoride	ACGIH	2.5 mg/m ³	
Sodium Bifluoride	ACGIH	2.5 mg/m ³ (F)	-

ACGIH - American Control of Governmental Hygienists

OSHA - Occupational Safety and Health Administration

Ventilation: Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit(s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Other: Safety shower in work area.

Protective Gloves: Butyl or neoprene gloves

Eye Protection: Wear chemical safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white granular mixture

Odor: pungent

Odor Threshold: N/A

PH: N/A

Melting Point/Freezing Point: N/A

Initial Boiling Point and Boiling N/A

Range:

Flash Point: N/A

Evaporation Rate: N/A

Flammability (solid, gas): N/A

Upper/Lower flammability or N/A

explosive limits:

Vapor Pressure: N/A

Vapor Density: N/A

Relative Density: N/A

Solubility (ies): Complete in water

Partition Coefficient; N/A

n-octanol/water:

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Viscosity: N/A

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Hazardous polymerization does not occur.

Reactions:

Conditions to Avoid:	DO NOT store dry product where exposed to moist conditions .
Incompatible Materials:	Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis. DO NOT MIX with dry or concentrated solutions of this product with concentrated solutions of bleach, ammonia cleaners or similar products.
Hazardous Decomposition Products:	Possibility of decomposition if heated and in contact with sources of ignition. Releases of toxic gases and vapors (Sulfur oxides (SO ₂ ,SO ₃)).

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Sodium Bisulfate-LD50(Rat)-2800 mg/kg
Oral Administration:	Sodium Fluoride-LD50(Rat)-52 mg/kg
Oral Administration:	Sodium Bifluoride-LD50(Rat)-80 mg/kg
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Fish, Oncorhynchus mykiss	Sodium Fluoride-LC50-200 mg/L 96 h
Daphnia Magna,	Sodium Fluoride-EC50-98 mg/L 48 h
Abiotic degradability:	No data available
Bioaccumulation potential:	No data available
Water result:	Disperses in water.
Soil/Sediment Result:	No data available

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number:	
UN Proper Shipping Name:	NOT D.O.T. REGULATED
Transport Hazard Class (es):	
Packing Group:	
ERG:	

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

16 OTHER INFORMATION

Disclaimer:	The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.
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