



Safety Data Sheet

ROYAL SOUR

SECTION 1: Identification

Trade Name: ROYAL SOUR

Date Prepared: 02/09/2021

Product Identification: 6267

Synonyms: Acid cleaner

Product Use Description: Laundry Sour

Manufactured By:

ABC COMPOUNDING CO., INC.
2600 DOGWOOD DRIVE
Conyers, GA 30013 US

Manufacturer:

ABC Compounding Co., Inc.
2600 Dogwood Drive
Conyers, GA 30013
770-968-9222
www.abccompounding.com

Phone: (800) 795-9222

24 HR Emergency Number: (800) 535-5053

SECTION 2: Hazards Identification

Classifications

Skin corrosion - Category 1

Eye Damage - Category 1

Corrosive to Metals



Corrosive

Signal Word: Danger

Hazard Statements

Keep out of reach of children.

Read label and SDS before use.

Causes severe skin burns and eye damage

May be corrosive to metals

Precautionary Statements

Prevention

Do not breathe mists.

Wash hands thoroughly after handling.

Wear protective gloves and clothing.

Wear eye and face protection.

Keep only in original container.

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water/shower.

Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center or a physician.

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IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a poison center or a physician.
Absorb spillage to prevent material damage.

Storage

Store locked up.
Store in corrosive resistant plastic container.

Disposal

Dispose of contents and container in accordance with all local, regional, and national regulations.

Hazards Not Otherwise Specified

Not applicable

SECTION 3: Composition

Chemical Name	CAS #	Concentration % by Weight
Citric Acid	77-92-9	20 - 30
Ammonium Bifluoride	1341-49-7	1 - 3
Oxalic Acid	144-62-7	1 - 3

SECTION 4: First Aid Measures

EMERGENCY OVERVIEW

DANGER. May be harmful or fatal if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.

EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Immediately call a poison center or a physician.

SKIN: Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water/shower.

If skin irritation persists get medical attention.

INHALATION: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or a doctor.

INGESTION: Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

SECTION 5: Firefighting Measures

Suitable fire extinguishing media:

Use water spray, fog or foam.

Specific hazards arising from the chemical:

Containers may build pressure and rupture.

Hazardous thermal decomposition products:

Carbon Dioxide, Carbon Monoxide

Specific fire-fighting methods:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire fighters:

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

SECTION 6: Accidental Release Measures

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Personal precautions:

Put on appropriate personal protective equipment (see section 8)

Environmental precautions and clean-up methods:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

SECTION 7: Handling and Storage

Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Avoid breathing sprays. Keep out of reach of children.

SECTION 8: Exposure Controls/Personal Protection

Oxalic Acid(144-62-7)

OSHA PEL	1 mg/m3 TWA
ACGIH TLV	1 mg/m3 TWA

Eye Protection: Wear safety glasses or goggles.

Skin Protection: Wear impervious gloves (made from rubber, nitrile or neoprene), clothing, and boots.

Respiratory Protection: When respiratory protection is required, use an organic vapor & particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements.

Engineering Controls: Good general ventilation required.

SECTION 9: Physical and Chemical Properties

Property	Value	Property	Value
Appearance	CLEAR LIQUID	Auto Ignition Temp	NOT AVAILABLE
Boiling Point	NOT AVAILABLE	Color	COLORLESS
Decomposition Temperature	NOT AVAILABLE	Evaporation Rate	NOT AVAILABLE
Explosive Limit Ranges	NOT AVAILABLE	Explosive Properties	NOT AVAILABLE
Flash Point	NONE	Melting/Freezing Point	NOT AVAILABLE
Odor	ACIDIC	Odor Threshold	NOT AVAILABLE
Other Information	VOC content (wt. %): 0	Oxidizing Properties	NOT AVAILABLE
Partition Coeff	NOT AVAILABLE	Physical State	LIQUID
Relative Density	1.1	Solubility (Water)	COMPLETE
Vapor Density	NOT AVAILABLE	Vapor Pressure	NOT AVAILABLE
Viscosity	NOT AVAILABLE	pH	< 2

SECTION 10: Stability and Reactivity

Reactivity

Under normal conditions of storage and use, hazardous reactions will not occur.

Chemical Stability

Stable under normal conditions.

Incompatible Materials

Strong alkalis, oxidizers, organic matter, certain metals.

Conditions to Avoid

High temperatures

Hazardous Decomposition Products

CO, CO2, H2

SECTION 11: Toxicological Information

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Primary Route of Entry: Skin contact, eye contact, inhalation

Acute/Potential Health Effects:

EYES: Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

SKIN: Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling and possible tissue destruction.

INHALATION: High vapor concentrations may be irritating to respiratory tract.

INGESTION: May be harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat and stomach.

Chronic / Long Term Effects: Repeated exposure may cause damage to the tissues of the mucous membranes, upper respiratory tract, eyes and skin. Oxalic Acid may be absorbed via intact skin. Chronic skin absorption of Oxalic Acid can lead to formation of kidney and urinary tract stones. The fatal adult human oral dose for Oxalic acid is estimated at 5 grams (0.18 oz.). Death occurs rapidly. A delayed effect of ingestion is kidney damage, possibly leading to renal failure. Chronic ingestion exposure to solutions of Oxalic Acid is linked to stone formation in the kidneys and urinary tract, resulting in difficult and painful urination and painful abdominal spasms during passing of stones. Chronic inhalation of Oxalic Acid can result in formation of kidney and urinary tract stones.

Notes to Physician

Provide general supportive measures and treat symptomatically. Treatment should be rapidly instituted by giving a dilute solution of calcium lactate, lime water, finely pulverized chalk, plaster, and/or milk to supply large amounts of calcium to inactivate oxalate by forming an insoluble calcium salt in the stomach. Gastric lavage is controversial, since this may compound an already severe corrosive lesion in the esophagus or stomach. However, if used, gastric lavage should be done with limewater (calcium hydroxide). Intravenous gluconate or calcium chloride solutions should be given to prevent hypocalcemic tetany; in severe cases parathyroid extract also has been given. Additionally, acute renal failure should be anticipated, and careful fluid management is necessary. Metabolically its toxicity is believed to be due to the capacity of Oxalic Acid to immobilize calcium and thus upset the calcium-potassium ratio in critical tissues. Effective therapy against burns from oxalic acid involves replacement of calcium.

Target Organ Effects: Lungs, skin.

Reproductive/Developmental Information: No data.

Carcinogenic Information: This material is not listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values:

Oxalic Acid Dihydrate: Skin-Rabbit, adult 500 mg/24 hours Mild irritation effects; Eye effects-Rabbit, adult 250 mg/24 hours Severe irritation effects; Eye effects-Rabbit, adult 100 mg/4 seconds: rns Severe irritation effects; Intraperitoneal-Mouse LD50: 270 mg/kg; Oral-Rat LD50: 7500 mg/kg; Unreported-rat LD50: 1400 mg/kg
Ammonium Bifluoride: Oral - Rat LD50: 130 mg/Kg.

SECTION 12: Ecological Information

Oxalic acid:

EC0 (Pseudomonas putida) 16 hours = 1,550 mg/L; EC0 (Microcystis aeruginosa algae) 8 hours = 80 mg/L; EC0 (Scenedesmus quadricauda green algae) 7 days = 790 mg/L; EC0 (Entosiphon sulcatum protozoa) 72 hours = 222 mg/L

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SECTION 13: Disposal Considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

SECTION 14: Transport Information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN number 3265

Proper shipping name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS CITRIC AND OXALIC ACIDS)

Class 8

Packing group II

SECTION 15: Regulatory Information

CERCLA RQ (40 CFR 302)

Ammonium Bifluoride

100

LB

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire () Pressure () Reactive () Not Applicable ()

T.S.C.A. Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s)

D002

SECTION 16: Other Information

HMIS Ratings :

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	D

Disclaimer: This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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