SAFETY DATA SHEET
BOOST SOUR

Revision Date: October 13, 2026
Supersedes Revision: October 16, 2018

SECTION 1 — IDENTIFICATION

Product Name: BOOST SOUR

Synonyms: Acidic Laundry Rinse

Supplier Details: DeVere Company, Inc.
1923 Beloit Ave. • Janesville, WI 53546 • U.S.A.
Phone: 1-608-752-0576

Website: https://deverechemical.com

Emergency: CHEMTREC 1-800-424-9300 (U.S.A.), 1-703-527-3887 (International), Ref CCN6591

Recommended Use of the Chemical: Laundry sour

Restrictions On Use: For industrial use

SECTION 2 — HAZARDS IDENTIFICATION

Hazard Classification of the Substance or Mixture:
Skin Corrosion 1C
Serious Eye Damage 1

Pictogram(s)

Signal Word:
DANGER

Hazard Statement(s):
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Precautionary Statement(s):
P102 - Keep out of reach of children.
P103 - Read label before use.
P260 - Do not breathe dusts or mists.
P264 - Wash hands and exposed skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing and eye/face protection.

Response Phrase(s):
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor.
P321 - Specific treatment (see Section 4 of this SDS).
P363 - Wash contaminated clothing before reuse.

Storage and Disposal Phrase(s):
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with applicable federal, state, and local regulations.

Hazards not Otherwise Classified: Mixing with alkaline solutions will generate heat. Do not use in glass containers; product etches glass.

Ingredients of Unknown Acute Toxicity: Not individually evaluated in this revision; where component-specific acute toxicity data is not cited in Section 11, that data has not been confirmed to be available. Consult Section 11 for the acute toxicity information on file for this product.

Chemical Reaction Products (Known/Anticipated Uses): Dilution with water is the primary intended use; no hazardous reaction products are expected under normal conditions. Contact with bases generates heat. Reacts with calcium compounds to form insoluble precipitates. Do not use in glass containers (etches glass).

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Product is a Mixture according to 29 CFR 1910.1200(c) and Appendix E.

Chemical Name	CAS Number	%
HYDROFLUOROSILICIC ACID	16961-83-4	7 – 13%

Impurities and stabilizing additives, which are themselves classified and which contribute to the classification of the chemical: None
Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with 29 CFR 1910.1200(i) and Appendix E.

SECTION 4 — FIRST-AID MEASURES

Note to Physician: Treat symptomatically and supportively. Show this SDS to the doctor in attendance.

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

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

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects, Acute and Delayed: Contact with concentrated product may cause severe skin burns, permanent eye damage, or blindness. Mist or vapor may irritate the respiratory tract and mucous membranes. Ingestion may cause burns to the mouth, throat, and gastrointestinal tract; symptoms of internal injury may not be immediately apparent.

Indication of Immediate Medical Attention and Special Treatment Needed: Eye or skin contact with concentrated product requires immediate medical attention; treat as a chemical burn. Do not attempt to neutralize the chemical on the skin or in the eyes. If swallowed, do NOT induce vomiting due to the risk of further tissue damage on re-exposure; obtain emergency medical attention immediately. Have this SDS available for the treating physician.

SECTION 5 — FIRE-FIGHTING MEASURES

This product is not flammable and not explosive. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.

Contact with metals may generate flammable hydrogen gas (see Section 10). Use appropriate extinguishing media for surrounding materials.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Contain spills and dispose according to local and federal regulations. Observe the protection measures described in Section 8. Avoid materials and products which are incompatible with the product as shown in Section 10. Never dispose of this or any industrial cleaning product with residential waste. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in the immediate area). Isolate hazard area. Keep unnecessary and unprotected personnel from entering. See Section 13 for disposal methods.

SECTION 7 — HANDLING AND STORAGE

STORAGE: Store in an original, tightly closed container in a secure area out of reach of children and domestic animals away from sources of heat. Do not store food, beverages or tobacco products in the storage area. Store away from incompatible materials (see Section 10). Handle in accordance with good industrial hygiene and safety practices.

HANDLING: Use proper personal protective equipment as indicated in Section 8. Avoid contact with eyes, skin or clothing. Avoid inhalation and use only in well-ventilated areas. Wash thoroughly with soap and water after handling.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL	ACGIH TLV
HYDROFLUOROSILICIC ACID	2.5 mg/m³ (as F)	2.5 mg/m³ (as F)

Eye Protection: Use chemical splash goggles and face shield. Chemical splash to eyes requires immediate flushing — see first aid.

Hand Protection: Use impervious, chemical-resistant (fluoride-rated) gloves when handling.

Skin and Body: Use impervious body-covering clothing and chemical-resistant footwear.

Respiratory Protection: Not normally required under adequate ventilation. Use an acid/fluoride vapor respirator (NIOSH-approved) if mists may exceed exposure limits.

Hygiene Measures: Eye wash station and safety shower should be provided. Do not eat, drink or smoke where material is stored, handled or used. Wash hands thoroughly after handling and before eating or smoking.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Blue

Odor: Mild

Odor Threshold: Not Available

pH: < 2

Melting Point/Freezing Point: –3°C (26.6°F)

Initial Boiling Point and Boiling Range: Not Available

Flash Point: Not Available

Evaporation Rate: Not Available

Flammability (Solid, Gas): Not Flammable

Upper/Lower Flammability or Explosive Limits: Not Available

Vapor Pressure: Not Available

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES (Continued)

Vapor Density:	Not Available
Relative Density:	1.05 (Water = 1.00)
Solubility in Water:	Complete at recommended dilutions
Partition Coefficient: n-Octanol/Water:	Not Available
Auto-Ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Kinematic Viscosity:	Not Available
Particle Characteristics:	Not Applicable (Liquid)

Note: The above properties are typical values and are not to be construed as a guaranteed analysis for any specific lot or as specifications for the product.

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	Product will react with incompatible materials.
Chemical Stability:	Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions:	Generates significant heat on contact with bases. Reacts with glass and may slowly decompose silica-based materials.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Will not occur.
Incompatibilities:	Bases, calcium compounds (forms precipitates), glass, metals (may generate hydrogen gas).
Conditions to Avoid:	Keep away from bases, glass containers, and metals. Do not expose to heat. Do not dispose with residential waste.
Hazards from Foreseeable Emergencies:	Accidental mixing with alkaline cleaners generates significant heat and may cause spattering. Flush the affected area immediately with large quantities of water. Seek immediate medical attention for any skin or eye exposure to fluoride-containing acid.
Safety Issues That May Arise Should Product Change in Physical Appearance:	Dispose of product immediately per Section 13 should it become discolored, develop an unusual odor, or appear contaminated.

SECTION 11 — TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Skin, inhalation, ingestion and eye contact.
Acute Toxicity:	No information available on this product. Not classified.
Skin Corrosion/Irritation:	Causes severe skin burns (Skin Corrosion, Category 1C).
Serious Eye Damage/Irritation:	Causes serious eye damage (Serious Eye Damage, Category 1).
Symptoms (physical, chemical and toxicological):	Burns to skin and eyes with pain and redness; eye contact may cause blindness. Mist or dust irritates the respiratory tract. Ingestion burns the mouth, throat and stomach.
Delayed, immediate and chronic effects:	Burn damage may develop over several hours; eye damage may be permanent.
Other Hazard Classes:	Not classified (sensitization, mutagenicity, reproductive toxicity, STOT SE/RE, aspiration).
Interactive Effects:	No data available on interactions between ingredients at use concentrations. All components are accounted for in the mixture classification.
Numerical measures of toxicity:	Not available.
Carcinogenicity:	Not classified by IARC, OSHA, or EPA. Not included in NTP 15th Report on Carcinogens.

Note on Alternative Information: Where specific mixture toxicity data are unavailable, component-level data have been used (ECHA REACH dossiers, OSHA chemical databases).

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity:	This product may be toxic to aquatic life in high concentrations.
Persistence and degradability:	Majority of product quickly degrades to naturally occurring molecules. No detectable environmental persistence expected from regular use.
Bioaccumulative potential:	Will not bioaccumulate under normal use.
Mobility in soil:	No data available.
Endocrine Disrupting Properties:	No data available on endocrine disrupting properties for this mixture.
PBT and vPvB Assessment:	This product is not considered PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative) based on available data.

SECTION 13 — DISPOSAL CONSIDERATIONS

Do not discharge concentrated product to sewer. Disposal of product and solutions must comply with applicable federal, state and local requirements. Where discharge to sanitary sewer is permitted, follow applicable POTW requirements and use instructions.

SECTION 14 — TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) Classification:

UN Number:	3264
Proper Shipping Name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (FLUOROSILICIC ACID)
Transport Hazard Class:	8
Packing Group:	III
Environmental Hazards:	No hazards other than as already noted in this document.
Marine Pollutant:	No — none of the listed components are identified as marine pollutants under 49 CFR 172.101 Appendix B or the IMDG Code.

Canadian Transportation of Dangerous Goods (TDG) Regulations:
Identical to U.S. DOT above.

International Maritime Dangerous Goods (IMDG) Code:
Identical to U.S. DOT above.

International Air Transport Association (IATA) Dangerous Goods Regulations:
Not evaluated for air transport.

SECTION 15 — REGULATORY INFORMATION

Waste Classification: If discarded as sold, this product may exhibit the following characteristic(s) of hazardous waste under 40 CFR 261 Subpart C: Corrosivity, D002 (pH ≤ 2). It is not a listed hazardous waste under Subpart D. The waste generator is responsible for the hazardous waste determination (40 CFR 262.11).

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

SARA 311/312 Hazard Categories (40 CFR 370.66): Health: Skin corrosion or irritation; Serious eye damage or eye irritation. Physical: None. **From January 1, 2028 (40 CFR 370.3, 91 FR 37022):** Health: Skin corrosion or irritation (Category 1C); Serious eye damage/eye irritation (Category 1). Physical: None.
SARA 313 (TRI): Contains no toxic chemicals subject to EPCRA Section 313 supplier notification (40 CFR 372.45) above de minimis levels.

TSCA: All components of this product are listed on the TSCA Chemical Substance Inventory or are exempt from listing requirements.

OSHA Hazard Communication Standard: This SDS has been prepared in accordance with 29 CFR 1910.1200 as amended May 20, 2024 (HazCom 2024 / GHS Revision 7).

SECTION 16 — OTHER INFORMATION

Reason for Revision: Revised Jul.-Sep. 2026 to OSHA HazCom 2024 (GHS Rev. 7): all 16 sections per App. D, incl. Sec. 2 classification and P-statements (App. C) and Sec. 15 RCRA, EPCRA 311-313, Prop 65. Product-specific: Chemical Reaction Products subsection and glass-container warning added (Sec. 2); Sec. 14: Packing Group II -> III (matches Skin Corrosion 1C); Sec. 3: trade-secret statement and Appendix E ranges; Sec. 5: hydrogen hazard noted; Sec. 14: IATA wording.

Prepared by: DeVere Chemical Regulatory Department

Abbreviations and Acronyms: ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CFR = Code of Federal Regulations; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IMDG = International Maritime Dangerous Goods; MSHA = Mine Safety and Health Administration; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PBT = Persistent, Bioaccumulative and Toxic; PEL = Permissible Exposure Limit; SARA = Superfund Amendments and Reauthorization Act; SDS = Safety Data Sheet; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; UN = United Nations; vPvB = very Persistent and very Bioaccumulative.

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