SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	Iron Away - Iron Removal Powder
CAS number	See Section 3
Synonyms	No information available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Serious eye damage/eye irritation	Category 1

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word Danger

Hazard statements Causes serious eye damage.

Precautionary statements
Prevention: Wear eye protection.
Response: 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 doctor.
Storage: Store away from incompatible materials.
Disposal: Dispose of container in accordance with local, regional, national and international regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Contact with acids liberates toxic gas.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Sodium hydrosulfite	No information available	7775-14-6	15 - 40%
Sodium carbonate	No information available	497-19-8	10 - 30%
Sodium metabisulfite	No information available	7681-57-4	10 - 30%
Citric Acid	No information available	77-92-9	1 - 5%
Sodium sulfite	No information available	7757-83-7	1 - 5%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

In case of skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

In case of eye contact 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 doctor.

If swallowed Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Dusts may irritate the respiratory tract, skin and eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Specific hazards arising from the substance or mixture

During fire, gases hazardous to health may be formed.

5.3 Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

5.4 Further information

Flash Point None

Autoignition Temperature No information available

Explosion limits

Upper No data available
Lower No data available

Sensitivity to Mechanical Impact No information available
Sensitivity to Static Discharge No information available

NFPA

Health	Flammability	Instability	Physical hazards
3	0	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Use only non-sparking tools. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

6.3 Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Shovel the material into waste container. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

6.4 Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep cool. Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

Hygiene measures

When using, do not eat, drink or smoke. When using do not eat or drink.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a cool, dry place out of direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep only in the original container. Store away from other materials. Keep out of reach of children.

Incompatibilities

See Section 10.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Sodium metabisulfite	TWA	5 mg/m3

US. ACGIH Threshold Limit Values

Component	Type	Value
Sodium metabisulfite	TWA	5 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
Sodium metabisulfite	TWA	5 mg/m3

Biological occupational exposure limits

No biological exposure limits noted for the ingredient(s).

8.2 Exposure controls

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Impervious gloves. Confirm with reputable supplier first.

Body Protection

Wear suitable protective clothing. As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Control of environmental exposure
No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Solid
Appearance	White Powder
Odor	Mint
Odor Threshold	Not available.
pH	5.5 - 6.5
Melting Point/Range	Not available.
Boiling Point/Range	Not available.
Evaporation Rate	Not available.
Flammability (solid)	Not available.
Flammability or explosive limit	
Upper	Not available.
Lower	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Density	1.2 - 1.3 g/ml
Solubility	Not available.
Partition coefficient; n-octanol/water	Not available.
Autoignition Temp	Not available.
Decomposition Temp	Not available.
Viscosity	Not available.
Molecular Formula	Not available.
Molecular Weight	Not available.
VOC Content(%)	
Oxidizing properties	Not oxidizing.

9.2 Other safety information

Not available.

SECTION 10: Stability and reactivity

10.1 Reactivity

This product may react with strong oxidizing agents.

10.2 Chemical stability

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Do not mix with other chemicals.

10.5 Incompatible materials

Strong oxidizing agents. Combustible material.

10.6 Hazardous decomposition products

May include and are not limited to: Oxides of sulfur. Oxides of carbon.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Citric Acid (CAS 77-92-9)	Mouse: 5400 mg/kg, ECHA Rat: 11700 mg/kg, ECHA	Rat: > 2000 mg/kg, 24 Hours, ECHA	Not available
Sodium carbonate (CAS 497-19-8)	Rat: 2800 mg/kg, ECHA, HSDB	Rabbit: > 2000 mg/kg, ECHA	Rat: 2300 mg/m3, 2 Hours, ECHA
Sodium hydrosulfite (CAS 7775-14-6)	Rat: 2800 mg/kg, ECHA, HSDB	Rat: > 2000 mg/kg, 24 Hours, ECHA	Rat: > 22 mg/L, 4 Hours, ECHA > 5.5 mg/L, 4 Hours, ECHA
Sodium metabisulfite (CAS 7681-57-4)	Rat: 1540 mg/kg, ECHA	Rat: > 2000 mg/kg, 24 Hours, ECHA	Rat: > 5.5 mg/L, 4 Hours, ECHA
Sodium sulfite (CAS 7757-83-7)	Rat: 2610 mg/kg, ECHA	Rat: > 2000 mg/kg, 24 Hours, ECHA	Rat: > 5.5 mg/L, 4 Hours, ECHA

Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Canada - Alberta OELs: Sodium Metabisulfite is listed an an Irritant. The product is not expected to cause skin sensitization or be a respiratory sensitizer.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

This product is not classifiable as to carcinogenicity to humans.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Chronic effects

Prolonged inhalation may be harmful.

11.2 Additional Information

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Component	Freshwater Fish	Water Flea	Freshwater Algae
Citric Acid (CAS 77-92-9)	Bluegill (Lepomis macrochirus): 1516 mg/L, 96 hr	Daphnia magna: 120 mg/L, 72 hr	Not listed
Sodium carbonate (CAS 497-19-8)	Bluegill (Lepomis macrochirus): 300 mg/L, 96 hours	Daphnia magna: 265 mg/L, 48 Hours Water flea (Ceriodaphnia dubia): 156.6 - 298.9 mg/L, 48 hours	Not listed
Sodium hydrosulfite (CAS 7775-14-6)	Not listed	Daphnia magna: 98 mg/L, 48 Hours	Algae: 120 mg/L, 72 Hours
Sodium metabisulfite (CAS 7681-57-4)	Not listed	Not listed	Algae: 48 mg/L, 72 Hours
Sodium sulfite (CAS 7757-83-7)	Western mosquitofish (Gambusia affinis): 660 mg/L, 96 hours	Not listed	Not listed

12.2 Persistence and degradability

No data is available on the degradability of this product.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods

Consult authorities before disposal. Dispose of contents/container in accordance with local/regional/national/international regulations. Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code:
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products:
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging:
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

DOT (US)	Not regulated as dangerous goods.
IMDG	No information available.
IATA	No information available.

SECTION 15: Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous
Classified hazard: Serious eye damage or eye irritation

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act
Hazardous substance.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
No information available.

US state regulations

US. Massachusetts RTK - Substance List
Sodium hydrosulfite (CAS 7775-14-6)
Sodium metabisulfite (CAS 7681-57-4)

US. New Jersey Worker and Community Right-to-Know Act

Sodium hydrosulfite (CAS 7775-14-6)
Sodium metabisulfite (CAS 7681-57-4)

US. Pennsylvania Worker and Community Right-to-Know Law

Sodium hydrosulfite (CAS 7775-14-6)
Sodium metabisulfite (CAS 7681-57-4)

California Proposition 65

Not Listed.

SECTION 16: Other information

Date of Issue: 12/17/2025

SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.