



FABPRO INC.

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HAZARD RATING HMIS
Health=2, Flammability= 2, Reactivity= 0
(Index 4=very high, 3=high, 2=moderate
1=slight, 0=insignificant)

Material Safety Data Sheet

I. General Information

Trade Name & Synonym Reducing Agent Plus		Chemical Family Bisulfites/Hydrosulfites
Chemical Name & Synonym Mixture	Date prepared July 1995	Prepared by Aziz Ullah Ph.D.

II. Ingredients

Sodium Hydrosulfite, Sodium Bisulfite, Sodium Sulfate, Sodium Carbonate, Sodium Thiosulfate

III. Physical Properties

Boiling Point N/A	Specific Gravity (Water=1) 0.8-1.2
Vapor Pressure (mm Hg.) ND	Melting Point decomposes
Vapor Density (AIR=1) >1	Evaporation Rate (Butyl Acetate=1) >1
Solubility in Water Soluble	Appearance and odor white powder/pungentodor
pH 1% solution 5.0-6.0	

IV. Fire and Explosion Hazard Data

Flash Point (TOC) combustible solid	Flammable Limits ND	LEL	UEL ND
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Extinguishing Media

Foam, CO₂, Dry Chemical, Water Fog

Special Fire Fighting Procedures

Usual fire fighting procedures can be used

Unusual Fire and Explosion Hazards

None known

V. Reactivity Data

Stability	Unstable X	Conditions to avoid High temperatures
	Stable	

Incompatibility (Materials to avoid)

oxidizing agents

Hazard Decomposition or Byproducts

Sulfur Dioxide

Hazardous	May occur	Conditions to avoid
Polymerization	Will not occur X	

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VI. Health Hazard Data

Routes of Entry	Inhalation	Skin	Ingestion	Eyes
_____	Yes _____	No _____	Yes _____	Yes _____

Health Hazards

Irritating to eyes nose and throat. Some Asthmatics may show hypersensitivity and should be excluded from exposure

Signs and Symptoms of Exposure

Irritation discomfort

Medical Conditions Aggravated by Exposure

Asthma

Emergency and First Aid Procedures

Move to fresh air. If contacted flush thoroughly with water. If irritation persists see physician, if ingested drink milk or water see physician

VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Flush with water.

Waste Disposal Method

Check with federal state or local regulations. Waste may be discharged in sanitary sewers waste if regulations permit. Unreacted material should not be discharged.

Precautions to be taken in Handling and Storing

Store in a cool place, away from moisture. Avoid breathing vapor, keep away from eyes and repeated or prolonged contact with skin

Other Precautions

NA

VIII. Control Measures

Respiratory Protection

Ventilation

Ventilation	Local Exhaust	Special
<u>Provide ventilation</u>		
	Mechanical	Other
		X

Protective Gloves

For repeated contact impermeable gloves suggested

Eye Protection

Monogoggles suggested

Other Protective Clothing or Equipment

Avoid breathing vapor TLV/TWA(ACGIH) 5ppm

Work/Hygienic Practices

Wash after handling Keep out of reach of children

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