

AERCHEM INC.
320 North Walnut St.
Bloomington, IN 47404

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Effective Date: 10/31/95

Product Name: Sodium Ascorbate (Ascorbic Acid-Vit.C-soduim)
Chemical Formula: $C_6H_8O_6Na$
Chemical Family: gamma-lactone
Cas No.: 134-03-2
Molecular Weight: 198

Hazardous

Ingredients:

Not Applicable

Physical Data:

Appearance and Odor:	White crystalline powder; nearly odorless, pleasantly saline taste with tart overtone
Melting point (range) Approx.:	218 °C
Soluble in:	Alcohol (slightly)
Solubility in Water, % by wt at 20 °C:	1g/1.3ml (freely soluble)
Bulk Density:	0.6-1.1 g/ml
Specific Rotation:	+103 ° to 108 °

Fire and Explosion Information:

Extinguishing media to be recommended:	Water spray, dry chemical, carbon dioxide or foam, as appropriate for surrounding fire and materials.
Special fire and explosions precautions:	Dry, free-flowing powder may present a dust explosion hazard.
Fire Fighting Procedures:	Evacuate personnel to a n area of upwind direction

and

remove unneeded materials; keep fire-exposed containers cool with water spray, and provide fire fighters with self-contained breathing equipment.

Chemical Properties:

Reactivity Data:	Stable _____ Unstable <u> X </u>
Hazardous Decomposition:	When heated to decomposition emits acrid smoke and irritating fumes.
Hazardous Polymerization:	Will not occur
Conditions to avoid:	Exposure to light, stmospheric moisture or air if in solution at pH>6.0 (causes rapid oxidation)
Incompatibilities:	Iron, Copper, or Nickel salts.

Leak/Spill Information: Scoop up all spills and transfer to labeled containers.

Disposal Information: Release small quantities to process drain with plenty of water. Recycle bulk material.

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Health Hazard Information:

A. First Aid

Ingestion: If ingested in very large doses drink plenty of water.

Skin Contact: Wash with soap and water.

Eye contact: Irrigate surfaces with water thoroughly.

Threshold Limit Value:

TWA: None established
STEL: None established.

B. Toxicity Data

Industrial Exposure: Large dosages by ingestion act as laxative
Experimental: Tolerated dose (mouse, orl) 3.5-7 g/kg bw/day
Symptom: transient diarrhea
Tolerated dose (pgg, orl) 0.4-2.5 g/kg bw/days for 6 days

Occupational Control Measures:

Ventilation Systems: Mechanical acceptable

Personal Respirators: NIOSH approved dust respirator.

Skin Protection: Rubber gloves.

Eye Protection: Safety glasses

Other Directives:

Storage and handling conditions: Store in tight, light-resistant containers at 22°C
