
MATERIAL SAFETY DATA SHEET



Section 1 - Chemical Product and Company Identification

Trade name: SAP

CAS NO.: 66170-10-3

INCI name: Sodium Ascorbyl phosphate

Other name: L-ascorbic acid-2-monophosphate, trisodium salt

Product name: Sodium Ascorbyl Phosphate

Molecular formula: C₆H₆Na₃O₉P

Chemical family: Salt

Molecular weight.: 322.05

Rensin chemicas limited

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Section 2 - Composition, Information on Ingredients

CAS No.	Product Name	Content %
66170-10-3	Sodium Ascorbyl Phosphate	98% min

Section 3 - Physical Properties

Color: White to slightly beige

Form/Appearance: Powder

Odor: Almost odourless

Specific Gravity: NOT AVAILABLE

Bulk Density: ~0.29G/CC

PH: 8.00 - 11.00

Boiling Pt: NOT AVAILABLE

Freezing Pt: ~200C 1 ATMOSPHERES

Solubility in water Description: Soluble

Solubility % (10% aqueous solution): Clear and almost colorless

Section 4 - Fire and Explosion Data

Flash point: NOT AVAILABLE

Autoignition: NOT AVAILABLE

Extinguishing Media:

Use water, dry extinguishing media, carbon dioxide (CO₂) or foam

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

Ensure adequate ventilation to minimize dusting.

Section 5 - Health Effects

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Toxicology Test Data:

Rat, Oral LD50 - >5000 MG/KG

Practically Nontoxic

Rat, Demal LD50 ->2000 MG/KG

Practically Nontoxic

Rabbit, Skin Irritation (OECD Test 404) - Nonirritating Rabbit, Eye Irritation -

Nonirritating Guinea Pig, Maximization

Test - Not a sensitizer Ames Salmonella Assay - Negative (no mutagenic response)

Acute Overexposure Effects:

Contact with the powder or its dusts may cause irritation of the eyes, skin and respiratory tract.

Ingestion of large amounts may cause gastric disturbances.

Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

Chronic Overexposure Effects:

There are no known chronic effects associated with this material.

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

First Aid procedures - Eyes:

Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids

or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Noted to Physicians: None known.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects (if any) observed in animals.

First Aid Procedures - Special Precautions: None

Section 6 - Reactivity Data

Stability Data: Stable

Incompatibility: None known.

Conditions/Hazards to Avoid: Formation of dust, protect from electrostatic charge.

Hazardous Decomposition/Polymerization: Hazardous decomposition products: None Known.

Polymerization: Does not occur.

Corrosive Properties: Not corrosive.

Oxidizer Properties: Not an oxidizer

Section 7 - Personal Protection

Clothing: Gloves, coveralls, apron, and boots as necessary to prevent contact.

Eyes: chemical Goggles

Respiration: If dusts are generated, wear an approved dust respirator.

Ventilation: Use local exhaust to control dusts.

Explosion Proofing: None required.

Section 8 - Spill-leak/Environmental

General:

Spills should be contained and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA ("Superfund"). Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean-up.

Waste disposal:

Incinerated in a licensed facility. Do not discharge into waterways or sewer systems.

Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Other Spill/Leak Procedures:

When product is properly discharged in low concentrations to biological waste water treatment plants it should not cause any disturbances in the degradation activity of the activated sludge.

Environmental Toxicity Test Data:

Daphnia magna, 48 hr static EC50 - >100MG/L

Insignificant Hazard

Pseudomonas putida (17 hr) EC/LC50 - 7700MG/L

Insignificant Hazard

Acute algal toxicity, 72 hr EC50 - >100MG/L

Insignificant Hazard

Golden orfe, static 96 hr LC50- 5343 MG/L

Insignificant Hazard

Elimination, (OECD-301 F) - 20-30 PERCENT

Moderately Degradable

Section 9 - Storage and Handling

General: Store at moderate temperatures, in tight containers.

Section 10 - Regulatory important SCA Inventory Status

Listed on Inventory: No

Hazard Ratings:

	Health:	Fire:	Reactivity:	Special:
HIMIS	1	0	0	NA

This product is not hazardous according to the OSHA Hazard Communication Standard

Section 11 - Transportation Information

DOT Proper Shipping Name: N/A

DOT Technical name: N/A

DOT Primary Hazard Class: N/A
DOT Secondary Hazard Class: N/A
DOT Label Required: N/A
DOT Placard Required: N/A
DOT Poison Constituent: N/A

Section 12 - Other Information

Other Information:

Last Updated: 10/10/2013

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