

Material Safety Data Sheet

1. Product and Company Identification

Effective Date: 05-05-2004

Revision: 00

Ascorb-X

Principal Use: Mineral stain removal

Description: Solid white crystals with a pleasant odor

N. Jonas and Co., Inc.

4520 Adams Circle
P.O. Box 425
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

2. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Ascorbic acid (CAS 50-81-7)	100	Not Listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

3. Hazards Identification

Emergency Overview

Appearance:

Solid white crystals with a slight pleasant odor

Physical Hazards:

None

Health Hazards:

Possible inhalation hazard.

* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

Potential Health Effects:

General:

This health hazard assessment based on information from commercial and scientific literature.

Ingestion:

Relative to other materials, this material is classified as "practically nontoxic" by ingestion.

Eye Contact:

Contact with eyes will cause irritation.

Skin Contact:

Prolonged skin contact will cause irritation.

Skin Absorption:

Material Safety Data Sheet

This product will probably not be absorbed through human skin.

Inhalation:

Possible inhalation hazard.

4. First Aid Measures:

First Aid - Eyes:

If splashed into the eyes, remove contact lenses if worn and flush with clear water for 15 minutes, or until irritation subsides. If irritation persists, contact a physician.

First Aid - Skin:

In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water. Seek medical attention if irritation develops. Remove and wash contaminated clothing thoroughly.

First Aid - Ingestion:

If large quantities are ingested, give 1 or 2 glasses of water to drink. Never give anything by mouth to an unconscious person. Contact a physician.

First Aid - Inhalation:

If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen, if available.

5. Fire Fighting Measures

Flashpoint and Method:

Will not flash

Autoignition Temperature:

Not applicable

Explosive Limits:

Not applicable

General Hazards:

Prevent human exposure to fire, smoke, flames or products of combustion.

Fire Fighting Instructions:

Clear area of unprotected personnel and isolate. Do not enter confined spaces without protective equipment. Use media suitable for surrounding fire.

Fire Fighting Equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Hazardous Combustion Products:

Burning and elevated temperatures can produce carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentrations can act as an asphyxiant.

6. Accidental Release Measures

Spill Measures:

Wear appropriate respirator and other protective clothing. Sweep up material and place in a suitable chemical waste container. Avoid creating dust. Keep out of sewers, storm drains,

Material Safety Data Sheet

surface waters and soil.

7. Handling and Storage

Handling:

Keep container tightly closed when not in use.

Storage:

Store in a cool, well-ventilated area away from incompatible materials.

8. Exposure Controls/Personal Protection

Exposure Guidelines:

No ACGIH TLV or OSHA PEL assigned to this product. Minimize exposure in accordance with good hygiene practice.

Engineering Controls:

Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area.

Respiratory Protection:

If use conditions generate dusts, wear NIOSH approved air purifying respirator with filters in the pressure-demand mode.

Protective Clothing:

Neoprene or rubber protective clothing should be worn to avoid contaminating clothing. If needed, use chemical-resistant gloves to avoid prolonged or repeated skin contact.

Eye Protection:

Use splash goggles or face shield when eye contact may occur.

9. Chemical and Physical Properties

<u>Appearance:</u>	Solid white crystals with a slight pleasant odor
<u>Boiling Point:</u>	Not applicable
<u>Vapor Pressure:</u>	Not applicable
<u>Vapor Density:</u>	Not applicable
<u>Solubility in Water:</u>	Soluble
<u>pH:</u>	No data
<u>Specif. Grav./Density:</u>	1.65
<u>% Volatile:</u>	0

10. Stability and Reactivity

Stability:

Stable under normal conditions.

Incompatibility:

Strong oxidizing agents, dyes, alkalis, iron, copper

Hazardous Decomposition Products:

Burning and elevated temperatures can produce carbon monoxide and carbon dioxide.

Hazardous Polymerization:

Material Safety Data Sheet

Will not occur.

11. Toxicological Information

Possible Human Health Effects:

Inhalation:

Inhalation of dust may irritate nose and throat.

Skin Contact:

Prolonged skin contact will irritate skin.

Eye Contact:

Contact with eyes will cause irritation.

Ingestion:

The acute oral LD50 (rat) is 11,000 mg/kg. Relative to other materials, this material is classified as "practically nontoxic".

Other Effects of Overexposure:

None known

Note to Physician:

Not applicable

12. Ecological Information

This product is completely soluble in water. Care should be taken to minimize release of undiluted product into the environment.

13. Disposal Consideration

Disposal Method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container Disposal:

Empty container retains product residue. Observe all hazard precautions. Do not distribute, furnish, reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy container before disposal.

14. Transport Information

DOT Hazard Description:

Not regulated

15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

California Proposition 65:

None

Material Safety Data Sheet

16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	1	1
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	0	0

<p align="center"><u>HMIS and NFPA Hazard Rating Codes:</u></p>

<p>0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Severe</p>
--

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions.