AERCHEM INC.
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SECTION 1: IDENTIFICATION

Effective Date:	October 3, 1995
Product Name:	Sorbic Acid
Synonyms:	2,4-Hexadienoic Aid
Chemical Family:	Carboxylic Acid
Hazards Data:	Skin Irritant, see effects of overexposure

SECTION 2: PHYSICAL DATA

Appearance:	Cream/white granules or powder with a faint fatty odor
Melting Point:	>200°C
Relative Density:	1.08
Vapor Pressure:	0.01 mmHg at 20°C
Viscosity:	N/A
pH:	11.3 (1% w/w aqueous solution)

SECTION 3: FIRE AND EXPLOSION HAZARDS

Flash Point:	260° F open cup
Extinguishing Media:	Carbon Dioxide, water spray, foam or dry chemical
Special Procedures:	Use self contained breathing apparatus and full protective clothing.
Unusual Hazards:	Emits toxic fumes under fire conditions. Dust-air mixture may ignite or explode.

SECTION 4: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Thermal Decomposition:	Decomposes at elevated temperatures.
Hazardous Decomposition Products:	Combustion can produce Carbon Monoxide and Carbon Dioxide
Conditions To Avoid:	Avoid contact with strong oxidizing agents

SECTION 5: HEALTH INFORMATION

Primary Route of Exposure: Inhalation: no Skin Absorption: no Ingestion: yes
Skin and Eye Contact.

Effects of Overexposure: This product has been found to be a skin irritant in humans. It has a low order of oral toxicity. One study has been found to cause tumors in rats intraperitoneally (by injection). However, this study is not relevant to occupational exposure and this product is not found on any lists as being carcinogenic. Sorbic Acid has been reported to be an *invitro* mutagen via various testing systems.

Oral Toxicity:	Route	Test	Dose	Units
	orl-rat	LD50	7360	mg/kg
	orl-mus	LD50	3200	mg/kg

Skin Toxity: Product is a severe irritant when tested on rabbit skin.
Medical Conditions Aggravated: Any existing skin condition.
Carcinogen: IARC : no NTP: no OSHA: no

SECTION 6: FIRST AID MEASURES

Skin:	Immediately remove piece of contaminated clothing and wash affected area thoroughly with soap and water. Consult Physician if irritation continues.
Eye:	Flush thoroughly with water for fifteen minutes. Consult physician if irritation continues.
Ingestion:	If person is conscious, give water or milk to dilute stomach contents. Consult Physician.
Inhalation:	Consult Physician if irritation of respiratory passages occurs
Additional measures:	Administer artificial respiration if breathing has stopped. Contact lenses should not be worn while working with this chemical.

SECTION 7: EMPLOYEE PROTECTION

Respiratory Protection: NIOSH approved dust respirator recommended.
Protective Clothing: Clothing suitable to avoid skin contact, safety glasses, rubber gloves.
Additional Protective Measures: Use local exhaust ventilation.

SECTION 8: SPILL OR LEAK PROCEDURES/WASTE DISPOSAL

Spill or Leak Procedures**:**
Collect into suitable container by vacuuming or sweeping, avoiding generation or accumulation of dust.
Waste Disposal: Dispose of or incinerate in accordance with regulations.

SECTION 9: HANDLING AND STORAGE

Stable under normal conditions of storage and transport. In order to minimize the possibility of dust explosions and inhalation problems, keep dusting to a minimum and avoid any large buildup of dust.
Store in a cool place.
Preserve in a fibre drum with a polyethylene bag liner.
Protect from light.

SECTION 10: OTHER REGULATORY CONTROLS

Meets Food Chemicals Codex (FCC) specifications.
This product is listed on the TSCA inventory.
This product has been reviewed for SARA Title III.
OSHA Health Hazards: Irritant, skin hazard.
Hazard Communication Label: 230.3
SARA Hazard List: Acute: yes Chronic: no Fire Hazard: no Pressure: no Reactivity: no
Occupational Exposure Limit: Not established

NOTE:

The purpose of the above information is to describe the products only in terms of health and safety requirements. The information given should not, therefore, be construed as guaranteeing specific properties or as a specification. Customers should satisfy themselves as to the stability and completeness of such information for their own particular use.