



ERYTHORBIC ACID
D- (-) – Araboascorbic Acid

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Product Details:

Trade Name: d- (-) – Araboascorbic Acid

Supplier:

American Tartaric Products, Inc.
1865 Palmer Avenue
Larchmont, NY 10538
(914) 834-1881

• **Identification of Substance:**

Information Department:

Health, Safety and Environmental Department

Emergency Information:

During normal hours the Health, Safety and Environmental Department.
After normal hours call Chemtrec at (800) 424-9300.

• **Composition/Data on Components:**

Chemical Characterization:

D- (-)-Araboascorbic Acid CAS# 89-65-6; 100%

• **Hazards Identification**

Hazard Description: Not Applicable

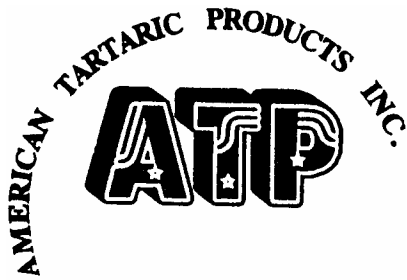
Information pertaining to particular dangers for man and environment:

Not Applicable

• **First Aid Measures**

After Inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Seek immediate medical advice.



After Skin Contact

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

After Eye Contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

After Swallowing

Seek medical treatment.

- **Fire Fighting Measures**

Suitable Extinguishing Agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards caused by the material, its products of combustion or resulting gases:

In case of fire, the following can be released: Carbon monoxide (CO)

Protective Equipment:

Wear self-contained respirator.

Wear fully protective impervious suit.

- **Accidental Release Measures**

Person-related Safety Precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Measures For Environmental Protection:

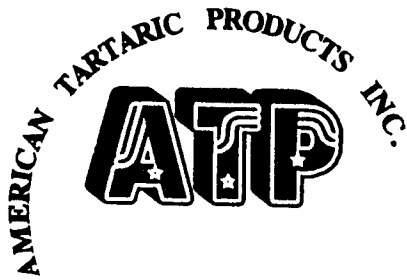
Do not allow material to be released to the environment without proper governmental permits.

Measures For Cleaning/Collecting:

Pick up mechanically.

Additional Information:

See section 7 for information on safe handling



See section 8 for information on personal protection equipment
See section 13 for disposal information

- **Handling And Storage**

Handling Information For Safe Handling:

Keep container tightly sealed. Store in cool; dry place in tightly closed containers. No special precautions are necessary if used correctly.

Information About Protection Against Explosions And Fires:

No special measures required.

Storage Requirements To Be Met By Storerooms And Receptacles:

No special requirements.

Information About Storage In One Common Storage Facility:

Store away from oxidizing agents.

Further Information About Storage Conditions:

Keep container tightly sealed. Store in cool, dry conditions in well-sealed containers.

- **Exposure Controls And Personal Protection**

Additional Information About Design Of Technical Systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Components With Limit Values That Require Monitoring At The Workplace:

Not Required.

Additional Information: No Data

Personal Protective Equipment/General Protective And Hygienic Measures:

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

Breathing Equipment:

Use suitable respirator when high concentrations are present.



Protection Of hands: Impervious Gloves

Eye Protection: Safety Glasses

Body Protection: Protective work clothing.

• **Physical And Chemical Properties:**

Form: Powder
Color: White
Odor: Odorless

	<u>Value/Range Unit Method</u>
Change In Condition	169-172° C
Melting Point/Melting Range:	Not Determined
Boiling Point/Boiling Range:	Not Determined
Sublimation Temperature/Start:	Not Determined
Flash Point:	Not Applicable
Flammability (Solid, Gaseous)	Product Is Not Flammable
Ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Danger Of Explosion:	Product does not present an explosion hazard
Explosion Limits:	
Lower:	Not Determined
Upper:	Not Determined
Vapor Pressure:	Not Determined
Density:	Not Determined
Solubility In/ Miscibility With Water:	Soluble

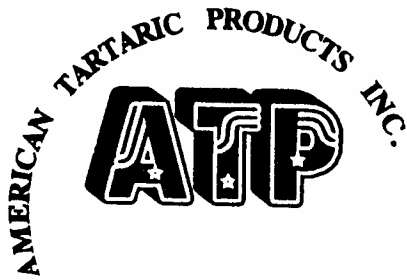
• **Stability And Reactivity**

Thermal Decomposition/Conditions To Be Avoided:

Decomposition will not occur if used and stored according to specifications.

Materials To Be Avoided: Oxidizing Agents

Dangerous Reactions: No Dangerous reactions known



Dangerous Products Of Decomposition: Carbon monoxide and carbon dioxide

- **Toxicological Information**

Acute Toxicity:

Primary Irritant effect:

On The Skin: May cause irritation

On The Eye: May cause irritation

Sensitization: No sensitizing effects known

Other Information (About Experimental Toxicology):

Mutagenic effects have been observed on tests with bacteria.

Subacute To Chronic Toxicity:

Other than potential irritation (see above), no information on illness or injury from acute or chronic exposure to this product is available.

Additional Toxicological Information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

- **Ecological Information:**

General Notes:

Do not allow material to be released to the environment without proper governmental permits.

- **Disposal Considerations**

Product:

Recommendation

Consult state, local or national regulations for proper disposal.

Uncleaned packagings:

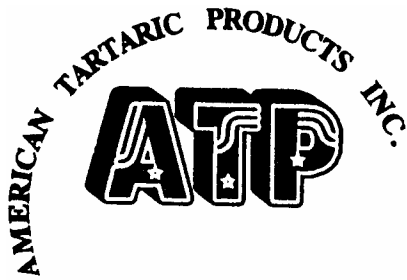
Recommendation:

Disposal must be made according to official regulations.

Recommended Cleansing Agent:

Water, if necessary with cleansing agents.

- **Disposan Considerations**



Product:

Recommendation

Consult state, local or national regulations for proper disposal.

Uncleaned Packagings:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing Agent:

Water, if necessary with cleansing agents. Not hazardous material for transportation.

- **Transport Information**

Not a hazardous material for transportation.

DOT Regulations:

Hazard Class: None

Land Transport ADR/RID (cross-border)

ADR/RID Class: None

Maritime Transport IMDG:

IMDG Class: None

Air Transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: None

Transport/Additional Information:

Not dangerous according to the above specifications.

- **Regulations**

Product Related Hazard Informations:

Observe the general safety regulations when handling chemicals.

National Regulations:

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

Information About Limitation Of Use:

For use only by technically qualified individuals.

- **Other Information:**

Employers should use this information only as a supplement to to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This



information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department Issuing MSDS:

Health, Safety and Environmental Department

Contact: Darrell R. Sanders