



Material Safety Data Sheet

Effective Date: 11/01/03

CARMINIC ACID SOLUTION

1. Product Identification (as Carminic acid)

Synonyms: C.I. Natural Red 4; C.I. 75470

CAS No.: 1260-17-9

Molecular Weight: 492.39

Chemical Formula: C₂₂H₂₀O₁₃

Product Codes: E379

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Deionized water		97%	No
Carminic Acid	1260-17-9	3%	No

3. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Potential Health Effects

Inhalation:

No adverse health effects expected from inhalation. May cause mild irritation to the respiratory tract.

Ingestion:

Not expected to be a health hazard via ingestion. Large oral doses may cause irritation to the gastrointestinal tract.

Skin Contact:

Not expected to be a health hazard from skin exposure. May cause mild irritation and redness.

Eye Contact:

Not expected to be a health hazard. May cause mild irritation, possible reddening.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

No information found.

4. First Aid Measures

Inhalation:

Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact:

Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:

Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.

5. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment. Clean up spills into an appropriate disposal reservoir.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

Not expected to require any special ventilation.

Personal Respirators (NIOSH Approved):

None established.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles and/or full face shield where splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: Orange red to red violet liquid.

Odor: Odorless.

Specific Gravity: 1.01 to 1.05 (at 20C).

pH: 2.5 – 3.5

% Volatiles by volume @ 21C (70F): 0

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

No information found.

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
Carminic Acid (1260-17-9)	No	No	None

12. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----

Ingredient	TSCA	EC	Japan	Australia
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Carminic Acid (1260-17-9)	Yes	Yes	Yes	Yes
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-----\Chemical Inventory Status - Part 2\-----Canada--

Ingredient	Korea	DSL	NDSL	Phil.
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Carminic Acid (1260-17-9)	No	Yes	No	Yes
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-----\Federal, State & International Regulations - Part 1\-----SARA 302- -----SARA 313-----

Ingredient	RQ	TPQ	List	Chemical Catg.
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Carminic Acid (1260-17-9)	No	No	No	No
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-----\Federal, State & International Regulations - Part 2\-----RCRA- -TSCA-

Ingredient	CERCLA	261.33	8(d)
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Carminic Acid (1260-17-9)	No	No	No
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Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No

Reactivity: No

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

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