



Material Safety Data Sheet

24 hour Emergency Telephone:
Chemtrec: 1-800-424-9300

Outside U.S. and Canada
Chemtrec: 202-483-7616

From: Vinqury, Inc.
7795 Bell Road
Windsor, CA 95492



NOTE: CHEMTREC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All Non-emergency questions should be directed to Customer Service (1-707-838-6312) for assistance.

Buffer pH 4.0, Red

BUFFER PH 4.0, RED

MSDS Number: BS029 --- Effective Date: 1/1/05

1. Product Identification

Synonyms: None.

CAS No: Not Applicable.

Molecular Weight: Not Applicable.

Chemical Formula: Not Applicable.

Vinqury Product Codes: 10-029-0000, 10-029-0237, 10-029-0473, 10-029-0946

2. Composition/Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
Potassium Hydrogen Phthalate	877-24-7	0-1	Yes
Amaranth	915-67-3	0-1	Yes
Water	7732-18-5	98-99	No
Dowacide	A132-27-4	0.05	Yes

3. Hazards Identification

Emergency Overview

CAUTION !

MAY BE HARMFUL IF INHALED OR SWALLOWED.

MAY CAUSE EYE AND SKIN IRRITATION.

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

Vinquiry Inc. Safety Data Ratings (Provided here for your convenience)

Health Rating:

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Contact Rating: 1 - Slight

Lab Protective Equip: Goggles

Storage Color Code: Grey

Potential Health Effects

Inhalation:

May be hazardous in case of inhalation.

Ingestion:

May be hazardous in case of ingestion.

Skin Contact:

May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Eye Contact:

May be hazardous in case of eye contact (irritant).

Chronic Exposure:

Not available.

Aggravation of Pre-existing Conditions:

Repeated or prolonged exposure is not known to aggravate medical conditions.

4. First Aid Measures

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

5. Fire Fighting Measures

Fire:

Not considered a fire hazard.

Explosion:

Not considered an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

Not available.

6. Accidental Release Measures

For personal protection, a self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Absorb with an inert material and put the spilled material in an appropriate waste disposal. If necessary: **Neutralize the residue with a dilute solution of sodium carbonate.**

7. Handling and Storage

Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: Not available.

-OSHA Permissible Exposure Limit (PEL): Not available.

-ACGIH Threshold Limit Value (TLV): Not available.

Ventilation System:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash station and safety showers are proximal to the workstation location.

Personal Respirators (NIOSH Approved): If the exposure limit is exceeded, a full facepiece respirator with high efficiency dust/mist filter may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is the lowest. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Lab coat, gloves, boots, as appropriate to prevent skin contact.

Eye Protection: Use chemical safety goggles and/ or a full face shield where splashing is

possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

Red liquid.

Odor:

Odorless

Solubility:

Very slightly soluble in water

Specific Gravity:

Not available.

pH:

3.99-4.01 (Acidic).

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

Not available.

Boiling Point:

The lowest known value is 99.9°C (211.8°F) (Water).

Melting Point:

Not applicable.

Vapor Density (Air=1):

Not available.

Vapor Pressure (mm Hg):

Not available.

Evaporation Rate (BuAc=1):

0.36 (Water)

10. Stability and Reactivity

Stability: The product is stable.

Hazardous Decomposition Products: CO_x

Hazardous Polymerization: Will not occur.

Incompatibilities: Not available.

Conditions to Avoid: Not available.

11. Toxicological Information

Irritation data:

-----/Cancer Lists/-----

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
Water	No	No	None
Potassium Hydrogen Phthalate	N/A	N/A	None
Amaranth	N/A	N/A	3
Dowicide A	N/A	N/A	2B

RTECS Number:

Potassium Hydrogen Phthalate	CZ4326000
Amaranth	QJ6550000
Water	ZC0110000
Dowicide A	DV7700000

Toxicity:

LD50: Not available.

LC50: Not available.

Reproductive Effects: No data available.

Teratogenic Effects No data available.

Mutagenicity: No data available.

12. Ecological Information

No information available.

12. Disposal Considerations

Material does not have an EPA Waste number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished.

ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

13. Transport Information

Domestic (Land, D.O.T.): not available.

International (Water, I.M.O.): not available.

14. Regulatory Information

U.S. Federal Regulations

TSCA 8(b) inventory: Potassium Hydrogen Phthalate; AMARANTH; Water; Dowacide A

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: AMARANTH; Dowacide A

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: AMARANTH: Delayed

(Chronic) Health Hazard; Dowacide A: Immediate (Acute) Health Hazard, Delayed (Chronic) Health

Hazard Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No

products were found. Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS (Canada) Not controlled under WHMIS (Canada).

CEPA DSL: Potassium Hydrogen Phthalate; AMARANTH; Water; Dowacide A

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

Dowacide A 205-055-6

DSCL (EEC) This product is not classified according to the EU regulations.

International Australia (NICNAS): Potassium Hydrogen Phthalate; AMARANTH; Water; Dowacide A

Japan (MITI): Potassium Hydrogen Phthalate; AMARANTH; Water; Dowacide A

Japan (MOL): Dowacide A

Korea (TCCL): Potassium Hydrogen Phthalate; Water; Dowacide A

Philippines (RA6969): Potassium Hydrogen Phthalate; AMARANTH; Water; Dowacide A

China: No products were found.

State Regulations Massachusetts RTK: Dowacide A

New Jersey: Buffer pH 4.0, Red

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: AMARANTH; Dowacide A

California prop. 65 (no significant risk level): AMARANTH; Dowacide A California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: AMARANTH; Dowacide

15. Other Information

None.

Disclaimer

Vinquiry Inc. provides this information in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to laboratory use of this material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. Vinquiry Inc. will not be responsible for damages resulting from use or reliance upon this information.