

MATERIAL SAFETY DATA SHEET

Hampford Research, Inc.

SECTION 1. -----CHEMICAL PRODUCT AND COMPANY IDENTIFICATION-----

Camphorquinone

CHEMICAL FORMULA: C10 H14 O2

CAS NUMBER: 10373-78-1

CHEMICAL NAME: 2,3-boranedione

REVISED: 9/19/2008

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SECTION 2. -----COMPOSITION / INFORMATION ON INGREDIENTS-----

COMPONENT	CAS #	% BY WEIGHT	EXPOSURE LIMITS
2,3-boranedione	10373-78-1	>99%	Not established

SECTION 3. -----HAZARDS IDENTIFICATION-----

EYES: May cause irritation.

SKIN: May cause irritation.

SWALLOWING: May irritate gastrointestinal tract.

INHALATION: Inhalation of dust may be harmful.

SECTION 4. -----FIRST AID MEASURES-----

EYE CONTACT:

In case on contact, immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

SKIN CONTACT:

In case of contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes.

INGESTION:

If swallowed, wash out mouth provided person is conscious. Call a physician.

INHALATION:

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

SECTION 5. -----FIRE FIGHTING MEASURES-----

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Emits toxic fumes under fire conditions.

FIRE EXTINGUISHING MEDIA:

Water Spray, Carbon Dioxide, Dry Chemical Powder or Appropriate Foam.

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SPECIAL FIREFIGHTING INSTRUCTIONS:

Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6. -----ACCIDENTAL RELEASE MEASURES-----

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

SPILL CLEANUP MEASURES:

Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

SECTION 7. -----HANDLING AND STORAGE-----

HANDLING AND STORAGE REQUIREMENTS:

Store in a cool, dry place. Keep container tightly closed. Keep out of direct sunlight.

SECTION 8. -----PERSONAL PROTECTION/EXPOSURE CONTROLS-----

EYE/FACE PROTECTION: Wear safety goggles. Wear coverall chemical splash goggles and face shield when possibility exists for eye and face contact from airborne material. Eye bath available.

SKIN PROTECTION: Wear appropriate impervious clothing and gloves such as compatible chemical-resistant. Safety shower available. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

RESPIRATORY PROTECTION: NIOSH/MSHA approved air purifying respirator.

ENGINEERING CONTROLS: Mechanical exhaust required.

SECTION 9. -----PHYSICAL AND CHEMICAL PROPERTIES-----

PHYSICAL STATE: Powder

MELTING POINT: 198°C-203°

BOILING POINT: >300°C

SPECIFIC GRAVITY: 1.04

APPEARANCE: Yellow

ODOR: Slight

OTHER: Solubility in water: nil

SECTION 10. -----STABILITY AND REACTIVITY-----

INCOMPATIBILITIES:

Avoid strong oxidizing agents.

HAZARDOUS DECOMPOSITION:

Toxic fumes of carbon monoxide and carbon dioxide.

CHEMICAL STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

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SECTION 11. -----TOXICOLOGICAL INFORMATION-----

TOXICOLOGICAL EFFECTS:

May be harmful by inhalation, ingestion, or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. -----ECOLOGICAL INFORMATION-----

ECOLOGICAL EFFECTS:

Data not yet available.

SECTION 13. -----DISPOSAL INFORMATION-----

WASTE MANAGEMENT PROCEDURES:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and Local environmental regulations.

SECTION 14. -----TRANSPORT INFORMATION-----

TRANSPORTATION INFORMATION:

Not regulated no classification assigned.

-----DOT (DOMESTIC SURFACE)-----

PROPER SHIPPING NAME: Not regulated no classification assigned by DOT
HAZARD CLASS OR DIVISION:
UN / NA NUMBER:
PACKING GROUP:
DOT PRODUCT RQ lbs (kgs):
HAZARD LABEL (s):
HAZARD PLACARD (s):

-----IMO / IMDG CODE (OCEAN)-----

PROPER SHIPPING NAME: Not regulated no classification assigned by IMDG
HAZARD CLASS DIVISION NUMBER:
UN NUMBER:
PACKAGING GROUP:
HAZARD LABEL (s):
HAZARD PACKARD (s):

-----ICAO / IATA (AIR)-----

PROPER SHIPPING NAME: Not regulated no classification assigned by IATA

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HAZARD CLASS DIVISION NUMBER:
UN NUMBER:
SUBSIDIARY RISK:
PACKING GROUP:
HAZARD LABEL (s):
RADIOACTIVE?:
PASSENGER AIR - MAX QTY:
PASSENGER PACKING INSTRUCTION:
CARGO AIR - MAX QTY:
CARGO AIR PACKAGING INSTRUCTION:

SECTION 15. -----REGULATORY INFORMATION-----

REGULATORY INFORMATION:

Regulatory Listings: AICS (Australia) June 1996; DSL (Canada) Part 1, January 26, 1991; EINECS (EEC) June 15, 1990
; TSCA (USA) January 2004 list PICCS (Philippines Inventory, 2000
ELINCS/EINECS Number: 233-814-1
Beilstein Index 7(1), 325
MDL Number: MFCD0006416

SECTION 16. -----ADDITIONAL INFORMATION-----

ADDITIONAL INFORMATION:

HMIS RATING

HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

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