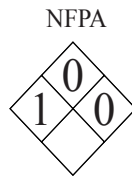




Material Safety Data Sheet

HAZTECH
SYSTEMS,TM
INC.

NFPA

HMIS

Health Hazard	1
Fire Hazard	0
Reactivity	0

PPE (See Section 15)



Section 1. Chemical Product and Company Identification

Common Name/ Trade Name **CX Test 2** Part# RE2134

Manufacturer HazTech Systems, Inc. P.O. Box 929 Mariposa, CA 95338 CAS # 57-71-6

Commercial Name 2,3-Butanedione Monoxime RTECS

Synonyms DIACETYL MONOXIME; Biacetylmonoxime; DAM; diacetylmonoxime; 2,3-butanedione monoxime TSCA 8 (d) not applicable
12 (b) not applicable

Chemical Name 2,3-Butanedione Monoxime In case of emergency contact CHEMTREC (24 hours) at 800-424-9300

Chemical Family HazTech Systems, Inc. 800-5ID-KITS

Chemical Formula C₄H₇N₂O₂

Supplier Mallinckrodt Baker, Inc. 222 Red School Lane Phillipsburg, NJ 08865

Section 2. Composition and Information on Ingredients

Name	CAS #	TWA (mg/m ³)	Exposure Limits		% by Weight
			STEL	CEIL (mg/m ³)	
2,3-Butanedione Monoxime	57-71-6				90 - 100%

Toxicological Data 2,3 - Butanedione Monoxime; no LD₅₀/LC₅₀ information found relating to normal routes of occupational exposure on Ingredients

Section 3. Hazards Identification

Potential Health Effects

Information on the human health effects from exposure to this substance is limited.

Continued on Next Page

**Section 4. First Aid Measures**

- Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get
 medical attention if irritation persists.
- Skin Contact Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
 Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.
- Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- Ingestion Give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Section 5. Fire and Explosion Data

Flammability Not considered to be a fire hazard.

Auto-Ignition Temperature NA

Flash Point NA

Flammable Limits NA

Products of Combustion NA

Fire Hazards in Presence NA

of Various Substances

Explosion Hazards in Presence Has exploded when vacuum distilled below 1.3 mbar from a steam bath.

of Various Substances

Fire Fighting Media Use any means suitable for extinguishing surrounding fire.

and Instructions

Special Remarks on In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus
Fire Hazards with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Continued on Next Page

**Section 7. Handling and Storage**

Precautions Observe all warnings and precautions listed for the product.

Storage Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues - dust, solids.

Section 8. Exposure Controls/Personal Protection

Engineering Controls For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen deficient atmospheres.

Personal Protection Skin: Wear protective gloves and clean body covering clothing.
Eye: Use chemical safety goggles. Maintain eye wash fountain and quick drench facilities in work area.

Exposure Limits None established.

Section 9. Physical and Chemical Properties

Physical State and Appearance White crystals.

Volatility No information found.

Molecular Weight No information found.

Odor Threshold No information found.

pH (1% Solution in Water) No information found.

Water/Oil Dist. Coeff. No information found.

Boiling Point 185-186°C (365-367°F)

Ionicity (in Water) No information found.

Melting Point 75-78°C (167-172°C)

Dispersion Properties No information found.

Critical Temperature No information found.

Solubility Appreciable in water.

Specific Gravity No information found.

Odor No information found.

Vapor Pressure No information found.

Taste No information found.

Vapor Density No information found.

Color White

Section 10. Stability and Reactivity Data

Stability Stable under ordinary conditions of use and storage.

Instability Temperature No information found.

Conditions of Instability No information found.

Incompatibility with Various Substances No information found.

Corrosivity No information found.

Special Remarks on Corrosivity No information found.

Polymerization Will not occur.

Continued on Next Page



CX TEST 2 2,3-BUTANEDIONE MONOXIME

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Section 11. Toxicological Information

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

Toxicity to Animals No information found.

Chronic Effects on Humans No information found.

Other Toxic Effects on Humans No information found.

Special Remarks on Toxicity to Animals No information found.

Special Remarks on Chronic Effects on Humans No information found.

Special Remarks on Other Toxic Effects on Humans No information found.

Section 12. Ecological Information

Ecotoxicity No information found.

BOD5 and COD No information found.

Products of Biodegradation No information found.

Toxicity of the Products of Biodegradation No information found.

Special Remarks on the Products of Biodegradation No information found.

Section 13. Disposal Considerations

Waste Disposal 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.

Section 14. Transport Information

DOT Classification Not regulated.

Identification

Special Provisions for Transport

DOT (Pictograms)

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations No.

California Proposition 65 Warnings No.

Other Regulations No

Continued on Next Page



Other Classifications

HMIS (U.S.A.)

Health Hazard	1
Fire Hazard	0
Reactivity	0

National Fire Protection
Association (U.S.A.)

Flammability

WHMIS (Canada) Not applicable.
(Pictograms)DSCL (Europe) Not applicable.
(Pictograms)TDG (Canada) Not applicable.
(Pictograms)ADR (Europe) Not applicable.
(Pictograms)

Protective Equipment Goggles, lab coat, vent hood, proper gloves

Section 16. Other Information

Catalog Number(s)

References

Other Special Considerations

Validated by

Verified by

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.