

MATERIAL SAFETY DATA SHEET

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NSC NO: 697726D

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SECTION 1 - IDENTIFICATION

CHEMICAL NAME: *2,5-Diaziridinyl-3-(hydroxymethyl)-6-methyl-1,4-benzoquinone*

SYNONYMS: --

CHEMICAL FAMILY:

MOLECULAR WEIGHT: 239.05 FORMULA: $C_{12}H_{14}N_2O_3 \cdot 0.05H_2O \cdot 0.054 THF$

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SECTION II - INGREDIENTS AND HAZARDOUS

<u>INGREDIENT NAME</u>	<u>97.27 %</u>	<u>HAZARD DATA (PEL/TLV)</u>
		Not determined

TOXICITY DATA: To the best of our knowledge the toxicological properties have not been fully investigated.

SECTION III - PHYSICAL DATA

APPEARANCE: Brownish red solid

MELTING POINT: N/A

BOILING POINT: N/A

VAPOR PRESSURE(mm Hg): N/A

EVAPORATION RATE: N/A

VAPOR DENSITY (AIR=1): N/A

SPECIFIC GRAVITY (H₂O=1): N/A

PERCENT VOLATILES: Unavailable

SOLUBILITY IN WATER: N/A

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): Unknown AUTOIGNITION TEMPERATURE: Unknown

FLAMMABLE LIMITS: 9LEL %: Unknown UEL %: Unknown

EXTINGUISHING MEDIA: Water spray, carbon dioxide, or dry chemical as appropriate for surrounding fire and materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Unknown

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide, carbon dioxide, and other toxic substances when heated to decomposition.

NFPA RATING: HEALTH (Unavailable) FIRE (Unavailable) REACTIVITY (Unavailable)

SECTION V - REACTIVITY DATA

COMPOUND STABILITY: Unknown

CONDITIONS OR MATERIALS TO AVOID: Unknown

HAZARDOUS DECOMPOSITION PRODUCTS: Since products of decomposition are unknown, as a precaution, assume they are hazardous.

STABILITY: Stable as brownish red solid at 0 °C

HAZARDOUS DECOMPOSITION PRODUCTS: Although material is considered stable, temperatures above 65°C may give rise to hazardous decomposition products.

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Unknown

EFFECTS OF OVEREXPOSURE: Unknown

PRIMARY ENTRY ROUTES: Unknown

TARGET ORGANS: Unknown

MEDICAL CONDITIONS, which may be aggravated by CONTACT: Unknown

FOR EYE CONTACT: Immediately flush eyes with copious amounts of water for at least 15 minutes. Consult an ophthalmologist.

FOR SKIN CONTACT: Remove contaminated clothing. Wash skin with plenty of soap and water. Consult a physician. Chemically decontaminate clothing and then launder before reuse or incinerate.

FOR INHALATION: Remove victim promptly to clean air. Administer artificial respiration if victim is not breathing. If breathing is difficult, give oxygen. Consult a physician.

FOR INGESTION: Remove residual drug. Consult a physician. Provide supportive treatment.

SECTION VII - SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILL/LEAK CLEANUP PROCEDURES: Evacuate area. Wear self-contained breathing apparatus, rubber boots, and chemically compatible gloves. Wear disposable coveralls and discard after use, or wash contaminated clothing before reuse. Wipe up spillage with paper towel and place in appropriate container. Ventilate area and wash spill site. Dispose of contaminated clean-up materials properly.

WASTE MANAGEMENT/DISPOSAL: Incineration is the preferred method of disposal. Observe all Federal, state and local laws concerning the disposal of hazardous material or waste.

SECTION VIII - SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT: Wear protective gloves, safety goggles, appropriate laboratory apparel and NIOSH/OSHA approved respirator. Protect exposed skin.

WORKPLACE CONSIDERATIONS:

VENTILATION: Laboratory operations should be conducted in a chemical fume hood, glove box or ventilated cabinet equipped with mechanical exhaust to the outside.

SAFETY STATIONS: Safety shower and eye bath should be accessible

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE CONDITIONS: Store in tightly closed container, and keep at 0°C.

OTHER PRECAUTIONS: The user should be made aware that this chemical is an investigational substance. Handling as solids or solutions should be carried out with extreme care to avoid personal exposure. Hazards associated with exposure to this chemical may as yet be unknown. This material should be handled only by those trained in the handling of potentially hazardous material.

The information in this document was compiled primarily from secondary sources. The information is believed to be correct and accurate, but no warranty is expressed or implied.

THE BURDEN OF SAFE USE OF OUR MATERIALS MUST REST ENTIRELY WITH THE USER. WE CANNOT ASSUME RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ANY INFORMATION SUPPLIED BY US CONCERNING THE HAZARDS OR RECOMMENDED USE OF THE CHEMICALS.

For emergency information call: (781)861-9303