

ATTN: SAFETY DIRECTOR UNIV OF WISCONSIN - WHITEWATER PURCHASING OFFICE 800 W MAIN ST WHITEWATER WI 53190-1705 EMERGENCY PHONE 1-314-771-5765

DATE 02/05/99 CUST#: 0-495-04629 PO#: CC/3230/N BRONSO

PAGE SHEET SAFE - CHEMICAL IDENTIFICATION- -SECTION 1. D9163 DL-DITHIOTHREITOL ELECTROPHORESIS REAGENT CATALOG #: NAME: SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS -CAS #: 27565-41-9 MF: C4H1002S2 EC NO: 248-531-9 SYNONYMS
2,3-BUTANEDIOL, 1,4-DIMERCAPTO-, DL-THREO- * 2,3-BUTANEDIOL, 1,4-DIMERCAPTO-, (R*, k*)- (+-)- (9Cf) * CLELAND'S REAGENT * DL-THREO-1,4-DIMERCAPTO-2,3-BUTANEDIOL * (R*, R*)-(+-)-1,4-DIMERCAPTO-2,3-BUTANEDIOL * DL-DITHIOTHREITOL * DL-1,4-DITHIOTHREITOL * RAC-DITHIOTHREITOL * SECTION 3. - - - - - - - HAZARDS IDENTIFICATION -LABEL PRECAUTIONARY STATEMENTS IRRITANT IRRITANT
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
UNPLEASANT ODOR.
TARGET ORGAN(S):
CENTRAL NERVOUS SYSTEM
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING. - - - - FIRST-AID MEASURES- -SECTION 4. - -IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. DISCARD CONTAMINATED CLOTHING AND SHOES. - - - - FIRE FIGHTING MEASURES -SECTION 5. - - - -EXTINGUISHING MEDIA CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. SPECIAL FIREFIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO

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D9163 CATALOG #: DL-DITHIOTHREITOL ELECTROPHORESIS NAME: REAGENT PREVENT CONTACT WITH SKIN AND EYES.
USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. UNUSUAL FIRE AND EXPLOSIONS HAZARDS EMITS TOXIC FUMES UNDER FIRE CONDITIONS. SECTION 6. - - - - - - ACCIDENTAL RELEASE MEASURES - - -EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. SECTION 7. - - - - - - - HANDLING AND STORAGE- - -REFER TO SECTION 8. SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - -WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
USE ONLY IN A CHEMICAL FUME HOOD.
SAFETY SHOWER AND EYE BATH.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE. SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES APPEARANCE AND ODOR SOLID. PHYSICAL PROPERTIES MELTING POINT: FLASHPOINT 42 C TO 44 C >230F >110C -- -STABILITY AND REACTIVITY -SECTION 10. -STABILITY STABLE. INCOMPATIBILITIES ÖXĬDĪZING AGENTS

MATERIAL SAFETY DATA

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CATALOG #: NAME:

D9163 DL-DITHIOTHREITOL ELECTROPHORESIS REAGENT

REDUCING AGENTS ALKALI METALS MAY DECOMPOSE ON EXPOSURE TO MOIST AIR OR WATER.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE SULFUR OXIDES HYDROGEN SULFIDE GAS

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

- TOXICOLOGICAL INFORMATION SECTION 11. - - -

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

CAUSES EYE AND SKIN IRRITATION.

MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPONDER CAN CAUSE. EXPOSURE CAN CAUSE: NAUSEA, HEADACHE AND VOMITING CNS DEPRESSION

CHRONIC EFFECTS
TARGET ORGAN(S):
CENTRAL NERVOUS SYSTEM
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: XO8576500 THREITOL, 1,4-DITHIO-, DL-

TOXICITY DATA
IPR-MUS LD50:169 MG/KG
SCU-MUS LD50:333 MG/KG
IVN-MUS LD50:94 MG/KG
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

--- - ECOLOGICAL INFORMATION --SECTION 12. - - - -DATA NOT YET AVAILABLE.

- - - DISPOSAL CONSIDERATIONS - -SECTION 13. - -

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.

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D9163 DL-DITHIOTHREITOL ELECTROPHORESIS CATALOG #: NAME: REAGENT SECTION 14. -- TRANSPORT INFORMATION -CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. --- REGULATORY INFORMATION -SECTION 15. - - - -EUROPEAN INFORMATION IRRITANT R 36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. ĬN¯ČASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING. REVIEWS, STANDARDS, AND REGULATIONS OEL=MAK NOES 1983: HZD X2950; NIS 1; TNF 35; NOS 3; TNE 627; TFE 436 -- - OTHER INFORMATION-SECTION 16. -THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE. COPYRIGHT 1998 SIGMA-ALDRICH CO. LICENSE GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.

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