

THE WORLD'S FOREMOST MANUFACTURER OF RESEARCH BIOCHEMICALS AND DIAGNOSTIC REAGENTS

POST OFFICE BOX 14508 SAINT LOUIS, MISSOURI 63178, USA

FAX: USA/CANADA 1-800-325-5052 OUTSIDE USA/CANADA 314-771-5757 TELEX: 910-761-0593 or 434475 ANSWERBACK "SIG OK COLLECT"

TELEPHONE: USA/CANADA 1-800-325-3010 OUTSIDE USA/CANADA call COLLECT 314-771-5750

EMERGENCY PHONE 1-314-771-5765

DATE 05/22/96 CUST#: 2-097-94804 PO#: QH5081

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ATTN: SAFETY DIRECTOR UNIVERSITY OF WISCONSIN WHITEWATER ACCOUNTS PAYABLE PO BOX 296 WHITEWATER WI 53190-0296

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> > SHEET

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MATERIAL SAFETY DATA P7875 PERIODIC ACID CATALOG #: NAME: SECTION 6. - - - - - - ACCIDENTAL RELEASE MEASURES- - -EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER
AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. EVACUATE AREA. SECTION 7. - - - - - - - HANDLING AND STORAGE- - -REFER TO SECTION 8. ADDITIONAL INFORMATION
SOLUTIONS OF PERIODIC ACID IN METHYL SULFOXIDE (DMSO) HAVE BEEN
REPORTED TO EXPLODE AFTER STANDING A FEW MINUTES. EVAPORATION OF AN
AQUEOUS SOLUTION OF TETRAETHYLAMMONIUM HYDROXIDE CONTAINING A SLIGHT
EXCESS OF PERIODIC ACID RESULTED IN AN EXPLOSION AFTER VACUUM
EVAPORATION OF MOST OF THE WATER. CTION 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.
AVOID BREATHING DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
CORROSIVE.
TOXIC TOXIC KEEP TIGHTLY CLOSED. KEEP AWAY FROM COMBUSTIBLE MATERIALS, HEAT, SPARKS, AND OPEN FLAME. STORE IN A COOL DRY PLACE. SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - -APPEARANCE AND ODOR WHITE CRYSTALLINE POWDER PHYSICAL PROPERTIES MELTING POINT: 122 C SECTION 10. - - - - - - - - STABILITY AND REACTIVITY - -INCOMPATIBILITIES STRONG REDUCING AGENTS FINELY POWDERED METALS STRONG BASES DIMETHYL SULFOXIDE (DMSO)

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PAGE SHEET MATERIAL SAFETY DATA P7875 PERIODIC ACID CATALOG #: NAME: PROTECT FROM MOISTURE. HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS HYDROGEN IODIDE SECTION 11. - - - - - - TOXICOLOGICAL INFORMATION - -CUTE EFFECTS
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES
AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION AND EDEMA
OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.
SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND
VOMITING. ACUTE EFFECTS VOMITING TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED. SECTION 12. - - - - - - ECOLOGICAL INFORMATION - -DATA NOT YET AVAILABLE. SECTION 13. - - - - - - DISPOSAL CONSIDERATIONS - - -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. ---- TRANSPORT INFORMATION ----SECTION 14. - - - -CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. SECTION 15. - - - - - - REGULATORY INFORMATION -EUROPEAN INFORMATION OXIDIZING CORROSIVE CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE. CAUSES BURNS. R 23/24/25 TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. KEEP AWAY FROM COMBUSTIBLE MATERIAL. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SIMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE). SEEK MEDICAL ADVICE S 26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. CONTINUED ON NEXT PAGE

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SIGMA-ALDRICH QUIMICA, S.A. SIGMA-ALDRICH size. SIGMA CHEMIE SIGMA CHEMIE SIGMA-ALDRICH QUIMICA, S.A. de C.V. SIGMA-ALDRICH CORPORATION New Delhi Location New Delhi Location #MINISTER OF PROPERTY OF THE CONTROL OF THE CONTROL

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SHEET MATERIAL SAFETY DATA

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CATALOG #: NAME:

P7875 PERIODIC ACID

TAKÉ OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.

SECTION 16. - - - - - - - OTHER INFORMATION- - -

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.

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TMA CHIMIE