MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

* 2-HYDROXYACETIC ACID * HYDROXYETHANOIC ACID *

SYNONYMS

EC NO:  201-180-5
CAS #:    79-14-1
CATALOG #:            124737

Tel: 414-273-3850
Milwaukee, WI 53233 USA
1001 West St. Paul
Valid 08/2001 - 10/2001

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

M/ No.: 79-14-1
M. Class.: NF 1.5

SECTION 3. HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS

Harmful if swallowed.
Corrosive.

LABEL HEALTH EFFECTS STATEMENTS

In case of contact with eyes, rinse immediately with plenty of water. If not better, seek medical advice/attention.
If inhaled, move the victim to fresh air. If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
If swallowed, do not induce vomiting.
If consciousness is lost, do not give anything by mouth.

SYMBOLS AND PHRASES

S 36/37/39
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER. IF NOT BETTER, SEEK MEDICAL ADVICE/ATTENTION.

S 45
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE/PROTECTION.

S 20/21/26
IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

S 22
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER. IF NOT BETTER, SEEK MEDICAL ADVICE/PROTECTION.

S 24/25
MAY BE HARMFUL IF INHALED.

S 31
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

S 32
AVOID PROLONGED OR REPEATED EXPOSURE.

S 33/34
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

S 35
DO NOT BREATHE DUST.

S 37
DISCARD CONTAMINATED SHOES.

S 40
WEAR SELF-CONTAINED BREATHING APPARATUS.

S 41
AVOID PROLONGED OR REPEATED EXPOSURE.

SECTION 4. FIRST-AID MEASURES

In case of contact with eyes, rinse immediately with plenty of water. If not better, seek medical advice/attention.
If inhaled, move the victim to fresh air. If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
If swallowed, do not induce vomiting.
If consciousness is lost, do not give anything by mouth.

SECTION 5. FIRE FIGHTING MEASURES

For at least 15 minutes. Assure adequate flushing by separating contaminated material.
In case of contact with eyes, flush with copious amounts of water.
In case of skin contact, flush with copious amounts of water.
In case of fire, use water, dry chemical, carbon dioxide, sodium bicarbonate, dry sand.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

SECTION 7. HANDLING AND STORAGE

Wear self-contained breathing apparatus, rubber boots and heavy protective clothing to prevent contact with skin and eyes.

SECTION 8. EXPOSURE LIMITS

TWA 10 MG/M3 (3 PPM) FOR 8- AND 12-HR. TLV

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

MELTING POINT:      75  C
APPEARANCE AND ODOR

SECTION 10. STABILITY AND REACTIVITY

Hazardous polymerization will not occur.
Amine, acid, strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

ORL-GPG LD50:1920 MG/KG                       JIHTAB 23,259,1941
IHL-RAT LC50:7100 UG/M3/4H                    INHTE5 9,435,1997
ORL-RAT LD50:1950 MG/KG                       JIHTAB 23,259,1941
TOXICITY DATA

IRRITATION DATA

RTECS #: MC5250000
SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA OF THE LUNGS, THORAX OR RESPIRATION (DYSPNÄE)

SECTION 12. ECOLOGICAL INFORMATION

SENSORY ORGANS AND SPECIAL SENSES (OTHER OLFACTION EFFECTS)

SECTION 13. DISPOSAL CONSIDERATIONS

DATA NOT YET AVAILABLE.

SECTION 14. TRANSPORT INFORMATION

Contact Aldrich Chemical Company for transportation information.

SECTION 15. REGULATORY INFORMATION

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

REDUCING AGENTS

OXIDIZING AGENTS

BASES

INCOMPATIBILITIES

STABLE.

STABILITY

SECTION 16. OTHER INFORMATION

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

NOES 1983: HZD 35260; NIS 64; TNF 5782; NOS 63; TNE 191563; TFE 98538

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION

OEL=MAK

REVIEWS, STANDARDS, AND REGULATIONS

Exposure Limit: TWA 10 MG/M3 (3 PPM) FOR 8- AND 12-HR. TLV

SECTION 17. ENVIRONMENTAL PROTECTION

Chemical companies are required to submit data for all chemicals on the "EPA TSCA Test Submission (TSCATS) Data Base" throughout the year for the January documentation.

ECOLOGICAL INFORMATION

WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

SAFETY GOGGLES.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

AVOID PROLONGED OR REPEATED EXPOSURE.

SECTION 18. PERSONAL PROTECTION

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

SECTION 19. PHYSICAL AND CHEMICAL PROPERTIES

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