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***DOC=SX0589

MATERIAL SAFETY DATA SHEET *****VER=950307

EM SCIENCE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER... PREPARATION DATE:: 03/07/95 DATE MSDS PRINTED:: AUG 01, 1996

EM SCIENCE
A DIVISION OF EM INDUSTRIES INFORMATION PHONE NUMBER: 609-423-6300
P.O. BOX 70
HOURS: MON. TO FRI. 8-30-5
480 DEMOCRAT RD.
GIBBSTOWN, N.J. 08027
HOURS: 24 HRS A DAY

CATALOG NUMBER(S): SX0588 SX0589 SX0603 SX0605 SX0590 6466 SX0593 6482 SX0595 SX0600

MOLECULAR WEIGHT .: 40.00

2. COMPOSITION / INFORMATION ON INGREDIENTS

SODIUM HYDROXIDE COMPONENT APPR %

1310-73-2 100%

3. HAZARDS IDENTIFICATION

CAUSES SEVERE BURNS.

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC) MSDS (CONTINUED) - SX0589 PAGE # 1

SYMPTOMS OF EXPOSURE:
EXTREMELY TOXIC AND CORROSIVE.
CAUSES SEVERE BURNS ON CONTACT WITH ANY BODY TISSUE
VAPOR IRRITATING TO EYES AND RESPIRATORY PASSAGES.

INHALATION, INGESTION OR SKIN CONTACT

MEDICAL COND. AGGRAVATED BY EXPOSURE: DATA NOT AVAILABLE.

4. FIRST AID MEASURES

EMERGENCY FIRST AID:
GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.
SKIN: IMMEDIATELY FLUSH THOROUGHLY WITH LARGE AMOUNTS OF WATER.
EYES: IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15
MINUTES.
INHALATION: REMOVE TO FRESH AIR; GIVE ARTIFICIAL RESPIRATION IF
BREATHING HAS STOPPED.
INGESTION: DO NOT INDUCE VOMITING; IF CONSCIOUS, GIVE WATER
FREELY AND GET MEDICAL ATTENTION.

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REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

FIRE & EXPLOSION HAZARDS: CAN REACT WITH CERTAIN METALS (AL. SN. MG, CU, ETC) TO RELEASE EXPLOSIVE HYDROGEN GAS:

6. ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE: EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL WEAR SUITABLE PROTECTIVE EQUIPMENT LISTED UNDER EXPOSURE / MSDS (CONTINUED) - SX0589 PAGE # 2

PERSONAL PROTECTION.

PERSONAL PROTECTION.

BE LIMINATE ANY IGNITION SOURCES UNTIL THE AREA IS DETERMINED TO BE FREE FROM EXPLOSION OR FIRE HAZARDS.

CONTAIN THE RELEASE AND ELIMINATE ITS SOURCE, IF THIS CAN BE DONE WITHOUT RISK.

WITHOUT RISK.

UP AND CONTAINERIZE FOR PROPER DISPOSAL AS DESCRIBED UNDER DISPOSAL COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS ON REPORTING RELEASES. REFER TO REGULATORY INFORMATION FOR REPORTABLE QUANTITY AND OTHER REGULATORY DATA.

7. HANDLING AND STORAGE

HANDLING & STORAGE:

KEEP CONTAINER TIGHTLY CLOSED.

DO NOT BREATHE DUST OR VAPOR.

STORE IN A DRY, WELL-VENTILATED AREA AWAY FROM ACIDS, METALS,

STORE IN A DRY, WELL-VENTILATED AREA AWAY FROM ACIDS, METALS,

EXPLOSIVES, ORGANIC PEROXIDES AND EASILY IGNITABLE MATERIALS.

WHILE MAKING SOLUTION ADD SLOWLY TO SURFACE OF SOLUTION TO AVOID VIOLENT SPLATTERING.

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

RETAINED RESIDUE MAY MAKE EMPTY CONTAINERS HAZARDOUS; USE CAUTION!

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

VENTILATION, RESPIRATORY PROTECTION, PROTECTIVE CLOTHING, EYE PROTECTION RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCESSED (SEE TLY/PEL), A NIOSH/MSIA APPROVED ARI SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSIA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIPMENT SUPPLIER), ENGINEERING AND/OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPÓSURE

MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME
HOOD OR WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES (NITRILE OR EQUIVALENT)
MUST BE WORN TO PREVENT SKIN CONTACT.
PROTECTIVE CLOTHING (IMPERVIOUS) THIS MATERIAL.
SHOULD BE WORN WHEN HANDLING THIS MORN AT ALL TIMES.
SAFETY GLASSES WITH SIDE SHIELDS MUST BE WORN AT ALL TIMES.

WORK / HYGENIC PRACTICES:
WASH THOROUGHLY AFTER HANDLING.
WONDT TAKE INTERNALLY.
MSDS (CONTINUED) - SX0589

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EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE

EXPOSURE GUIDELINES

SODIUM HYDROXIDE COMPONENT OSHA - PEL: TWA MG/M3 PPM MG/M3 PPM MG/M3 SKIN

SODIUM HYDROXIDE COMPONENT ACGIH - TLV: MG/M3 PPM MG/M3 PPM MG/M3 SKIN

9. PHYSICAL AND CHEMICAL PROPERTIES

WHITE, ODORLESS, DELIQUESCENT PELLETS

HAZARDOUS POLYMERIZATION: DOES NOT OCCUR 10. STABILITY AND REACTIVITY ... YES

NONE INDICATED

CONDITIONS TO AVOID: TO IGNITE SURROUNDING COMBUSTIBLE MATERIAL.

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MATERIALS TO AVOID......
(X) WATER
(X) ACIDS
(Y) BASES

CORROSIVES

() CORROSIVES
(X) OTHER:
CHLORINATED HYDROCARBONS, METALS, ORGANIC MATERIALS

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: ORL-RBT LDLO: 500 MG/KG

TOXICOLOGICAL FINDINGS:
TESTS ON LABORATORY ANIMALS INDICATE MATERIAL MAY PRODUCE ADVERSE
MUTAGENIC EFFECTS.
CITED IN REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)

12. DISPOSAL CONSIDERATIONS

EPA WASTE NUMBERS: TREATMENT: MATERIAL DOES NOT HAVE AN EPA WASTE NUMBER AND IS NOT A LISTED

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WASTE, HOWEVER CONSULTATION WITH A PERMITTED WASTE DISPOSAL SITE (TSD) SHOULD BE ACCOMPLISHED.
ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

13. TRANSPORT INFORMATION

SODIUM HYDROXIDE, SOLID

DOT ID NUMBER. UN1823

14. REGULATORY INFORMATION

TSCA STATEMENT PRODUCT IS LISTED ON THE TSCA INVENTORY.

COMPONENT MSDS (CONTINUED) - SX0589 SARA SARA EHS TPQ (LBS) CERCLA

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SODIUM HYDROXIDE

SODIUM HYDROXIDE COMPONENT OSHA FLOOR LIST SARA 313 (%) FOR SARA 313

15. OTHER INFORMATION

COMMENTS:
FOR CATALOG NUMBER 6466:
CAS#

FORMULA NAOH H20
MOLECULAR WT. 58.01

NFPA HAZARD RATINGS:
HEALTH: 3
FLAMMABILITY: 0
REACTIVITY: 1
SPECIAL HAZARDS: :

REVISION HISTORY: 08/01/84 05/01/85 06/18/87 03/01/91 10/01/91 12/10/91 10/27/87 10/05/88 01/26/89 05/19/89 02/06/93

= REVISED SECTION
N/A = NOT AVAILABLE
N/E = NONE ESTABLISHED

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