



MATERIAL SAFETY DATA SHEET 7,155

02/15/86

SECTION I - NAME AND PRODUCT

MFG NAME AND ADDRESS
EM SCIENCE
111 WOODCREST ROAD
P.O. BOX 5018
CHERRY HILL
NJ 080340395

CHEMICAL NUMBER: MSX0590-3
ITEM NUMBER : 563825
VNDR CATLG NBR :
ENTRY DATE : 10-07-85
CHANGE DATE :
EMERGENCY PHONE: 609 4236300

CHEMICAL NAME :
SODIUM HYDROXIDE RGT PELLETS
TRADE NAME SYN :
CAUSTIC SODA; LYE; SODIUM HYDRATE
CHEMICAL FAMILY :
INORGANIC BASE (ALKALI)

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS:
DOT HAZARD CLASS: CORROSIVE MATERIAL

USE CAUTION WHEN CLEANING EMPTY DRUMS OR EQUIPMENT, AS VIOLENT REACTION WITH WATER, STEAM, OR SOLVENT MAY OCCUR

SECTION III - PHYSICAL DATA S/10 = SEE SECTION X

BOIL. POINT	SPECIFIC GRAVITY	VAPOR PRESS.	MELT. POINT	VAPOR DENSITY	EVAP. RATE	SOLUBLE IN WATER	PERCENT VOLATILE
1390	2.13	NA	318.4	NA	NA	SOLUBL	NA

APPEARANCE AND ODOR:
WHITE, ODORLESS, DELIQUESCENT PELLETS, FLAKES OR GRANULES

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LEL: N/A
FLAMMABLE UEL: N/A

EXTINGUISHING MEDIA:
FLOOD WITH WATER, USING CARE NOT TO SPLATTER OR SPLASH THE MATERIAL

SPECIAL FIRE FIGHTING PROCEDURES:
WEAR FULL PROTECTIVE CLOTHING

UNUSUAL FIRE AND EXPLOSION HAZARDS:
CAN REACT WITH CAERTAIN METALS (AL, AN, MG, CU, ETC.) TO
RELEASE EXPLOSIVE HYDROGEN GAS



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SECTION V - HEALTH HAZARD DATA

THRESHOLD-LIMIT-VALUE:

2 MG/M3

EFFECTS OF OVEREXPOSURE:

TOXIC SEVERE EYE HAZARD
DESTROYS BODY TISSUE ON CONTACT; MAY CAUSE DEEP ULCERATION OF SKIN

EMERGENCY AND FIRST AID PROCEDURES:

*A PHYSICIAN SHOULD SEE ALL CASES OTHER THAN MINOR EXPOSURE!
SKIN: FLUSH WITH LARGE QUANTITIES OF WATER WHILE REMOVING CLOTHING & SHOES;
CONTINUE WASHING AS LONG AS 1 OR 2 HOURS, UNTIL MEDICAL ASSISTANCE ARRIVES*.
EYES: FLUSH WITH WATER IMMEDIATELY, FOR 15 MINUTES OR UNTIL A PHYSICIAN
ARRIVES.*
INHALATION: REMOVE TO FRESH AIR; GET MEDICAL ATTENTION.
INGESTION: DRINK A LARGE AMOUNT OF WATER OR OTHER LIQUID; DO NOT INDUCE
VOMITING; GET IMMEDIATE MEDICAL ASSISTANCE.

SECTION VI - REACTIVITY DATA

INDICATORS: STABILITY - STABLE POLYMERIZATION - MAY NOT OCCUR

CONDITIONS TO AVOID:

CONTACT WITH MOISTURE MAY GENERATE SUFFICIENT HEAT TO IGNITE SURROUNDING
COMBUSTIBLE MATERIAL.

INCOMPATIBILITY (MATERIAL TO AVOID):

(X) WATER (X) ACIDS () BASES () CORROSIVES () OXIDIZERS
(X) OTHER: CHLORINATED HYDROCARBONS, METALS, ORGANIC MATERIALS

HAZARDOUS DECOMPOSITION OR BY PRODUCTS:

NONE INDICATED

POLYMERIZATION CONDITIONS TO AVOID:

N/A

SECTION VII - SPILL OR LEAK PROCEDURES OR DISPOSAL

MATERIAL RELEASE OR SPILL PROCEDURES:

SWEEP UP, FLUSH AREA WITH WATER.

WASTE DISPOSAL METHOD:

TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT
LOCAL, STATE AND FEDERAL REGULATIONS



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SEQ. NO.

SECTION VIII- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
WEAR DUST MASK OR RESPIRATOR.
VENTILATION - LOCAL:
PROVIDE ADEQUATE LOCAL EXHAUST VENTILATION.
VENTILATION - MECHANICAL:
PROVIDE ADEQUATE GENERAL MECHANICAL VENTILATION.
VENTILATION - SPECIAL:
N/A
OTHER
WEAR IMPERVIOUS CLOTHING & BOOTS
PROTECTIVE GLOVES:
RESISTANT GLOVES
EYE PROTECTION:
CHEMICAL SPLASH GOGGLES AND FACE SHIELD.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:
KEEP CONTAINER TIGHTLY CLOSED. PROTECT CONTAINER AGAINST PHYSICAL DAMAGE,
MOISTURE & WATER. STORE IN A DRY, WELL-VENTILATED AREA AWAY FROM ACIDS, METALS,
EXPLOSIVES, ORGANIC PEROXIDES & EASILY IGNITABLE MATERIALS. WHILE MAKING
SOLUTION, ADD SLOWLY TO SURFACE OF SOLUTION TO AVOID VIOLENT SPLATTERING.

SECTION X - OTHER INFORMATION

NFPA 704: 3 0 1
 HEALTH FLAMMABILITY REACTIVITY

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NOTE: NA OR N/A DENOTES NOT-AVAILABLE OR NON-APPLICABLE