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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: 306576
 NAME: SODIUM HYDROXIDE, PELLETS, 99.99%,
 SEMICONDUCTOR GRADE

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 1310-73-2
 MF: HNAO
 EC NO: 215-185-5

SYNONYMS

CAUSTIC SODA * HYDROXYDE DE SODIUM (FRENCH) * LEWIS-RED DEVIL LYE *
 NATRIUMHYDROXID (GERMAN) * NATRIUMHYDROXYDE (DUTCH) * SODA LYE *
 SODIO(IDROSSIDO DI) (ITALIAN) * SODIUM HYDRATE * SODIUM HYDROXIDE
 (ACGIH:OSHA) * SODIUM(HYDROXYDE DE) (FRENCH) * WHITE CAUSTIC *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

CORROSIVE
 CAUSES BURNS.
 EXOTHERMIC IN CONTACT WITH WATER.
 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
 WATER AND SEEK MEDICAL ADVICE.
 WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
 PROTECTION.
 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
 IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

DATA NOT AVAILABLE

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

DATA NOT AVAILABLE

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

DATA NOT AVAILABLE

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -

DATA NOT AVAILABLE

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR

WHITE PELLETS

PHYSICAL PROPERTIES

VAPOR PRESSURE: <18MM 20 C 3MM 37 C
 VAPOR DENSITY: >1
 PH: 13 - 14
 SWISS POISON CLASS: 3

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

DATA NOT AVAILABLE

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

RTECS #: WB4900000

SODIUM HYDROXIDE

IRRITATION DATA

EYE-MKY 1%/24H SEV	TXAPA9 6,701,1964
SKN-RBT 500 MG/24H SEV	28ZPAK -,7,1972
EYE-RBT 400 UG MLD	OYYAA2 26,627,1983
EYE-RBT 1% SEV	AJOPAA 29,1363,1946
EYE-RBT 50 UG/24H SEV	28ZPAK -,7,1972
EYE-RBT 1 MG/24H SEV	TXAPA9 6,701,1964

EYE-RBT 1 MG/30S RINSE SEV TXCYAC 23,281,1982
 TOXICITY DATA
 IPR-MUS LD50:40 MG/KG COREAF 257,791,1963
 ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
 (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
 COMPLETE INFORMATION.

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

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -
 DATA NOT AVAILABLE

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -
 CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION
 EC INDEX NO: 011-002-01-3
 CORROSIVE
 R 35
 CAUSES SEVERE BURNS.
 S 26
 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
 WATER AND SEEK MEDICAL ADVICE.
 S 37/39
 WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.
 S 45
 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE
 IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

REVIEWS, STANDARDS, AND REGULATIONS
 OEL=MAK
 ACGIH TLV-CL 2 MG/M3 DTLVS* TLV/BEI,1999
 EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION
 FEREAC 54,7740,1989
 MSHA STANDARD:AIR-CL 2 MG/M3
 DTLVS* 3,233,1971
 OSHA PEL (GEN INDU):8H TWA 2 MG/M3
 CFRGBR 29,1910.1000,1994
 OSHA PEL (CONSTRUC):8H TWA 2 MG/M3
 CFRGBR 29,1926.55,1994
 OSHA PEL (SHIPYARD):8H TWA 2 MG/M3
 CFRGBR 29,1915.1000,1993
 OSHA PEL (FED CONT):8H TWA 2 MG/M3
 CFRGBR 41,50-204.50,1994
 OEL-AUSTRALIA: TWA 2 MG/M3, JAN1993
 OEL-AUSTRIA: MAK 2 MG/M3, JAN1999
 OEL-BELGIUM: STEL 2 MG/M3, JAN1993
 OEL-DENMARK: TWA 2 MG/M3, JAN1999
 OEL-FINLAND: TWA 2 MG/M3, JAN1999
 OEL-FRANCE: VME 2 MG/M3, JAN1999
 OEL-GERMANY: MAK 2 MG/M3, JAN1999
 OEL-JAPAN: OEL(C) 2 MG/M3, JAN1999
 OEL-THE NETHERLANDS: MAC-TGG 2 MG/M3, JAN1999
 OEL-NORWAY: TWA 2 MG/M3, JAN1999
 OEL-THE PHILIPPINES: TWA 2 MG/M3, JAN1993
 OEL-POLAND: MAC(TWA) 0.5 MG/M3, MAC(STEL) 1 MG/M3, JAN1999
 OEL-SWEDEN: TGV 2 MG/M3, JAN1999
 OEL-SWITZERLAND: MAK-W 2 MG/M3, KZG-W 4 MG/M3, JAN1999
 OEL-THAILAND: TWA 2 MG/M3, JAN1993
 OEL-TURKEY: TWA 2 MG/M3, JAN1993
 OEL-UNITED KINGDOM: STEL 2 MG/M3, SEP2000
 OEL IN ARGENTINA, BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV;
 OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV
 NIOSH REL TO SODIUM HYDROXIDE-AIR:CL 2 MG/M3/15M
 NIOSH* DHHS #92-100,1992
 NOHS 1974: HZD 69070; NIS 359; TNF 112525; NOS 192; TNE 1122583
 NOES 1983: HZD X3782; NIS 167; TNF 21989; NOS 120; TNE 370582; TFE
 137156
 NOES 1983: HZD 69070; NIS 426; TNF 133757; NOS 246; TNE 2819743; TFE
 995960

EPA GENETOX PROGRAM 1988, NEGATIVE: CELL TRANSFORM.-SA7/SHE
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001
NIOSH ANALYTICAL METHOD, 1994: ALKALINE DUSTS, 7401

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

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