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 #: 306575
NAME: SODIUM HYDROXIDE, PELLETS, 99.99%, SEMICONDUCTOR GRADE

SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - - -
CAS #: 1310-73-2
MF: HNAC
EC NO: 215-185-5
SYNONYMS
CAUSTIC SODA * HYDROXYDE DE SODIUM (FRENCH) * LEWIS-RED DEVIL LYE *
NATRIMUMHYDROXID (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
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
SKN-RBT 500 MG/24H SEV
EYE-RBT 400 UG MLD
EYE-RBT 1% SEV
EYE-RBT 50 UG/24H SEV
EYE-RBT 1 MG/24H SEV
TXAPA9 6,701,1964
28ZPAK -7,1972
OYYAA2 26,627,1983
AJOPAA 29,1363,1946
28ZPAK -7,1972
TXAPA9 6,701,1964

http://infonew.sigma-aldrich.com/cgi-bin/gx.cgi/Applogic+MSDSInfo.ReturnMSDS
12/12/02
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

DTLV* TLV/BEI, 1999

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION

FERAC 54,7740,1989

MSHA STANDARD:"AIR-CL 2 MG/M3

DRLVS* 3,233,1971

OSHA PEL (GEN INDU): 8H TWA 2 MG/M3

CFGRB 29,1910.1000,1994

OSHA PEL (CONSTRUC): 8H TWA 2 MG/M3

CFGRB 29,1926.55,1994

OSHA PEL (SHIPYARD): 8H TWA 2 MG/M3

CFGRB 29,1915.1000,1993

OSHA PEL (FED CONT): 8H TWA 2 MG/M3

CFGRB 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; TNE 21989; NOS 120; TNE 370582; TFE

137156

NOES 1983: HZD 69070; NIS 426; TNE 133757; NOS 246; TNE 2819743; TFE

995960