

FISHER SCIENTIFIC -- SODIUM HYDROXIDE, PURUM PELLETS, S612-3 -- 6810-01-373-0026
===== Product Identification =====

Product ID:SODIUM HYDROXIDE, PURUM PELLETS, S612-3
MSDS Date:12/12/1997
FSC:6810
NIIN:01-373-0026
Status Code:A
MSDS Number: CJFKM
=== Responsible Party ===
Company Name:FISHER SCIENTIFIC
Address:1 REAGENT LANE
City:FAIR LAWN
State:NJ
ZIP:07410
Country:US
Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100
Resp. Party Other MSDS Num.:21300
Chemtec Ind/Phone:(800)424-9300
CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV
Address:1 REAGENT LANE
Box:City:FAIRLAWN
State:NJ
ZIP:07410-2802
Country:US
Phone:201-796-7100
CAGE:1B464
Company Name:FISHER SCIENTIFIC COMPANY
Address:52 FADEM ROAD.DOMESTIC DIVISION
City:SPRINGFIELD
State:NJ
ZIP:07081
Country:US
Phone:201-796-7100
CAGE:94480

===== Composition/Information

on Ingredients =====

Ingred Name:SODIUM HYDROXIDE
CAS:1310-73-2
RTECS #:WB4900000
= Wt:100.
Other REC Limits:10MG/M*3 IDLH NIOSH
OSHA PEL:2 MG/M3
ACGIH STEL:C2 MG/M3
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: CAUSES SEVERE EYE BURNS. SKIN:
CAUSES SKIN BURNS. MAY CAUSE DEEP, PENETRATING ULCERS OF THE SKIN.
INGESTION: HARMFUL IF SWALLOWED. CAUSES GASTROINTESTINAL TRACT BURNS. CAUSES SEVERE PAIN, NAUSEA, VOMITING, DIARRHEA AND SHOCK.
INHALATION: IRRITATION MAY LEAD TO CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. CAUSES SEVERE IRRITATION OF UPPER RESPIRATORY TRACT WITH COUGHING, BURNS, BREATHING DIFFICULTY AND POSSIBLE COMA. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS. TARGET ORGANS: NONE.

Effects of Overexposure:SEE HEALTH HAZARDS.

===== First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN, OCCASIONALLY LIFTING UPPER & LOWER LIDS. GET MEDICAL AID IMMEDIATELY. SKIN: GET MEDICAL AID IMMEDIATELY. IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP & WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAMINATED CLOTHING & SHOES. DISCARD CONTAMINATED CLOTHING IN A MANNER WHICH LIMITS FURTHER EXPOSURE. INGESTION: DO NOT INDUCE VOMITING. IF VICTIM IS UNCONSCIOUS & ALERT, GIVE 2-4 CUPS OF MILK OR WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL AID IMMEDIATELY. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID. NOTES TO MD: TREAT SYMPTOMATICALLY & SUPPORTIVELY.

===== Fire Fighting Measures =====

Flash Point:NOT AVAILABLE
Autoignition Temp:Autoignition Temp Text:N/A
Lower Limits:NOT AVAILABLE
Upper Limits:NOT AVAILABLE
Extinguishing Media:FOR SMALL FIRES, USE WATER

SE DRY CHEMICAL, CARBON DIOXIDE,
WATER SPRAY OR ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE
EQUIPMENT . USE WATER WITH CAUTION AND IN FLOODING AMOUNTS.

Unusual Fire/Explosion Hazard:CONTACT WITH MOISTURE OR WATER MAY
GENERATE SUFFICIENT HEAT TO IGNITE NEARBY COMBUSTIBLE MATERIALS.
(ESTIMATED) HEALTH: 3; FLAMMABILITY: 0; REACTIVITY: 1.

===== Accidental Release Measures =====

Spill Release Procedures:USE
PROPER PERSONAL PROTECTIVE EQUIPMENT AS
INDICATED. VACUUM OR SWEEP UP MATERIAL AND PLACE INTO A SUITABLE
DISPOSAL CONTAINER. AVOID GENERATING DUSTY CONDITIONS.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED
AREA AWAY FROM INCOMPATIBLE SUBSTANCES. KEEP AWAY FROM STRONG
ACIDS. KEEP AWAY FROM WATER. KEEP AWAY FROM METALS. KEEP AWAY FROM
FLAMMABLE LIQUIDS. KEEP AWAY FROM ORGANIC HALOGENS.
CORROSIVES
AREA. HYGROSCOPIC.

Other Precautions:WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE
VENTILATION. DO NOT ALLOW WATER TO GET INTO THE CONTAINER BECAUSE
OF VIOLENT REACTION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO
NOT INGEST OR INHALE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:A NIOSH APPROVED AIR PURIFYING DUST OR MIST
RESPIRATOR OR EUROPEAN STANDARD EN 149.

Ventilation:USE ADEQ GENERAL OR LOCAL EXHAU
ST VENT TO KEEP AIRBORNE

CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES & FULL LENGTH
FACESHIELD .

Other Protective Equipment:EMERGENCY EYE WASH AND DELUGE SHOWER MEETING
ANSI DESIGN CRITERIA). WEAR APPROPRIATE PROTECTIVE CLOTHING TO
PREVENT SKIN EXPOSURE.

Supplemental Safety and Health

MATLS TO AVOID: CINNAMALDEHYDE OR ZINC; & REACTS EXPLOSIVELY W/MIXTURE
OF CHLOROFORM & METHAN

E. CORR TO METALS SUCH AS ALUMINUM, TIN & ZINC AS WELL AS TO ALLOYS SUCH AS STEEL & MAY CAUSE FORMATION OF FLAMMABLE HYDROGEN GAS.

===== Physical/Chemical Properties =====

Boiling Pt:=1390.C, 2534.F
B.P. Text:@ 760 MM HG
Melt/Freeze Pt:=318.C, 604.4F
Decomp Temp:Decomp Text:NOT AVAIL
Vapor Pres:100 MM HG
Vapor Density:NOT AVAIL
Spec Gravity:2.1300 G/CM3
pH:NOT AVAIL
Viscosity:NOT AVAILABLE
Evaporation Rate & Reference:NOT AVAILABLE
Solubility in Water:1
G/0.9 ML WATER
Appearance and Odor:WHITE SOLID; ODORLESS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
GENERATES LG AMTS OF HEAT WHEN IN CONTACT W/WATER & MAY STEAM & SPLATTER. REACTS W/MINERAL ACIDS TO FORM CORRESPONDING SALTS; REACTS W/WEAK ACIDS, GASES LIKE HYDROGEN SULFIDE, SULFUR DIOXIDE & CARBON DIOXIDE; IGNITED WHEN I
Stability Condition to Avoid:INCOMPATIBLE MATERIALS, MOISTURE, CONTACT WITH WATER, ACIDS
.
Hazardous Decomposition Products:TOXIC FUMES OF SODIUM OXIDE, SODIUM PEROXIDE FUMES.

===== Toxicological Information =====

Toxicological Information:CARCINOGENICITY: SODIUM HYDROXIDE - NOT LISTED BY ACGIH, IARC, NIOSH, NTP OR OSHA. EPIDEMIOLOGY: NO INFO REPORTED. TERATOGENICITY: NO INFO REPORTED. REPRODUCTIVE EFTS: NO INFO REPORTED. NEUROTOXICITY: NO INFO REPORTED. MUTAGENICITY: MUTATION DATA REPORTED. OTHER STUDIES: NO INFO REPORTED.

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Ecological Information
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Ecological:ECOTOXICITY: TLM, MOSQUITO FISH, 125 PPM/96HR (FRESH WATER); TLM, BLUEGILL, 88 MG/48HR (TAP WATER). ENVIRONMENTAL FATE: THIS CHEM IS NOT MOBILE IN SOLID FORM, ALTHOUGH IT ABSORBS MOISTURE VERY EASILY. ONCE LIQUID, SODIUM HYDROXIDE LEACHES RAPIDLY INTO THE SOIL, POSSIBLY CONTAMINATING WATER SOURCES. PHYSICAL/CHEMICAL: NO INFO FOUND. OTHER: NO INFO FOUND.

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Disposal Considerations
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Waste Disposal Methods:DISPOSE OF IN MANNER CONSISTENT W/FEDERAL, STATE & LOCAL REGULATIONS. RCRA D-SERIES MAXIMUM CONCENTRATION OF CONTAMINANTS: NONE LISTED. RCRA D-SERIES CHRONIC TOXICITY REFERENCE LEVELS: NONE LISTED. RC RA F-SERIES: NONE LISTED. RCRA P-SERIES: NONE LISTED. RCRA U-SERIES: NONE LISTED.

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MSDS Transport Information
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Transport Information:US DOT - SHIPPING NAME: SODIUM HYDROXIDE, SOLID.
HAZ CLASS:

8. UN NUMBER: UN1823. PACKING GROUP: II. IMO - SHIPPING NAME: SODIUM HYDROXIDE, SOLID. HAZ CLASS: 8. UN NUMBER: 1823. PACKING GROUP: 2. IATA - SHIPPING NAME: SODIUM HYDROXIDE, SOLID. HAZ CLASS: 8. UN NUMBER: 1823. PACKING GROUP: 2. RID/ADR - SHIPPING NAME: SODIUM HYDROXIDE, SOLID. DANGEROUS GOODS CODE: 8(41B). UN NUMBER: 1823.

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Regulatory Information
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SARA Title III Information:SECTION 302 (RQ) CAS #1310-73-2: FINAL RQ = 100

0 LBS (454 KG). SECTION 302 (TPQ) NONE OF CHEMS IN PROD HAVE TPQ. SARA CODES CAS #1310-73-2: ACUTE, REACTIVE. SECTION 313 NO CHEMS ARE REPORTABLE UNDER SECTION 313. CLEAN AIR ACT: THIS MATL DOES NOT CNTN ANY HAZ AIR POLLUTANTS. THIS MATL DOES NOT CNTN ANY CLASS 1 OZONE DEPLETORS. THIS MATL DOES NOT CNTN ANY CLASS 2 OZONE DEPLETORS. CLEAR WATER ACT: CAS #1310-73-2 IS LISTED AS HAZ SUBSTANCE UNDER CWA. NONE OF CHEMS IN PROD ARE LISTED AS PRIORITY POLLUTANTS UNDER CWA

. NONE OF CHEMS IN PROD ARE LISTED AS TOX
POLLUTANTS UNDER CWA. OSHA: NONE OF CHEMS IN PROD CONSIDERED
HIGHLY HAZ BY OSHA.

Federal Regulatory Information:TSCA CAS #1310-73-2 IS LISTED ON THE
TSCA INVENTORY. HEALTH & SAFETY REPORTING LIST: NONE OF THE
CHEMICALS IN THIS PRODUCT ARE UNDER A CHEMICAL TEST RULE. SECTION
12B: NONE OF THE CHEMICALS ARE LISTED UNDER TSCA SECTION 12B. TSCA
SIGNIFICANT NEW USE RULE: NONE OF THE CHEMICALS IN THIS MATERIAL
HAVE A SNUR UNDER TSC

A.
State Regulatory Information:SODIUM HYDROXIDE CAN BE FOUND ON THE
FOLLOWING STATE RIGHT TO KNOW LISTS: CALIFORNIA, NEW JERSEY,
FLORIDA, PENNSYLVANIA, MINNESOTA, MASSACHUSETTS. CALIFORNIA NO
SIGNIFICANT RISK LEVEL: NONE OF THE CHEMICALS IN THIS PRODUCT ARE
LISTED.

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