

NIFE INC -- POTASSIUM HYDROXIDE, 31% -- 6810-00-543-4041

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Product Identification
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Product ID:POTASSIUM HYDROXIDE, 31%

MSDS Date:01/01/1987

FSC:6810

NIIN:00-543-4041

MSDS Number: BKSRX

=== Responsible Party ===

Company Name:NIFE INC

Address:251 INDUSTRIAL BLVD

Box:7366

City:GREENVILLE

State:NC

ZIP:27835

Country:US

Info Phone Num:919-830-1600

Emergency Phone Num:919-830-1600

CAGE:NIFIE

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= Contractor Identification ===

Company Name:NIFE INC

Address:251 INDUSTRIAL BLVD

Box:7366

City:GREENVILLE

State:NC

ZIP:27834

Country:US

Phone:800-722-6433

CAGE:NIFIE

Company Name:SAFT NIFE INC

Address:711 INDUSTRIAL BLVD

Box:1886

City:VALDOSTA

State:GA

ZIP:31603-1886

Country:US

Phone:912-247-2331

CAGE:1HB35

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 31%

OSHA PEL:C, 2 MG/M3

ACG

IH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 69%
OSHA PEL:NONE
ACGIH TLV:NONE

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

LD50 LC50 Mixture:LD50 365 MG/KG ORAL-RAT
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HIGHLY CAUSTIC. TOXIC. FATAL INJURY
POSSIBLE. CAUSES SEVERE BURNS, DESTROYS
TISSUE ON CONTACT. DEEP
ULCERATION MAY RESULT. CAN DAMAGE EYES SEVERELY RESULTING IN
BLINDNESS. INHALATION OF DUST OR FUMES IS HIGHLY CORROSIVE TO THE
RESPIRATORY TRACT.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY
CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:IRRITATION, BURNS, ULCERATION TO CONTACTE AREA.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SKIN: FLUSH
WITH WATER FOR 15 MINUTES. INHALATION: REMOVE TO FRESH AI GIVE
OXYGEN IF BREATHING IS DIFFICULT. INGESTION: DO NOT INDUCE
VOMITING. GIVE WAT ER IF CONSCIOUS.

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

Flash Point:NONE
Lower Limits:NONE
Upper Limits:NONE
Extinguishing Media:WATER FOG. DO NOT SPLATTER OR SPLASH THIS MATERIAL.
Fire Fighting Procedures:WEAR SELF-CONTAINED

BREATHING APPARATUS AND

FULL FACE SHIELD. WEAR FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:EMITS HIGHLY TOXIC FUMES WHEN HEATED TO DECOMPOSITION. MAY REACT POSSIBLY EXPLOSIVELY WITH ACRYLONITRILE, ACETIC ACID,ACROLEIN, CALCIUM CHLORIDE, SEE SUPP DATA

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

**Spill Release Procedures:NEUTRALIZE AND COLLECT FOR PROPER DISPOSAL.
Neutralizing Agent:5% ACETIC ACID**

===== Handling and Storage =====
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**Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSE TO PROTECT AGAINST MOISTURE. STORE IN A DRY AREA AWAY FROM ACIDS, METALS,ORGANIC PEROXIDES AND EASILY IGNITABLE PRODUCT
Other Precautions:PROTECT AGAINST PHYSICAL DAMAGE. USE CAUTION WHEN CLEANING EMPTY DRUMS OR EQUIPMENT; VIOLENT REACTION WITH WATER, STEAM OR SOLVENT MAY OCCUR.**

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

**Respiratory Protection:WEAR RESPIRATOR AND USE FUME HO OD. USE AIR-SUPPLIED RESPIRATOR IF TLV IS EXCEEDED.
Ventilation:PROVIDE ADEQUATE GENERAL (MECHANICAL) AND LOCAL EXHAUST VENTILATION.
Protective Gloves:CHEMICAL RESISTANT GLOVES
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:FULL PROTECTIVE CLOTHING INCLUDING APRON AND LONG SLEEVES. WEAR IMPERVIOUS BOOTS. EYEWASH, EMERGENCY SHOWER.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING PRODUCT.
Supplemental Safety and Health
MAY REACT EXPLOSIVELY WITH CHLORINE,CHLORINE DIOXIDE, CHLORINE & HYDROGEN PEROXIDE, CHLOROFORM & METHYL ALCOHOL,MALEIC ANHYDRIDE, 1,2-DICHLOROETHYLENE, N-METHYL-N-NITROSO UREA & METHYLENE CHLORIDE, NI TROETHANE, NITROGEN TRICHLORIDE, NITROMETHANE, NITROPARAFFINS, O-NITROPHENOL, NITROPROPANE, N-NITROSOMETHYL-UREA.**

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

**HCC:B1
Boiling Pt:B.P. Text:270F,132C
Vapor Pres:1
Spec Gravity:1.29-1.33
Solubility in Water:APPRECIABLE
Appearance and Odor:WHITE ODORLE**

SS LIQUID.

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

Stability Indicator/Materials to Avoid: YES
WATER, ACIDS, ORGANIC MATERIALS
Stability Condition to Avoid: MOISTURE
Hazardous Decomposition Products: HYDROGEN GAS

===== Disposal Considerations =====

Waste Disposal Methods: TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT
LOCAL, STATE AND FEDERAL REGULATIONS.

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