

HARCROS CHEMICALS INC. -- CAUSTIC SODA FLAKE LG 100 #;PRODUCT CODE:16 --  
6810-00-174-6581

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===== Product Identification =====

Product ID:CAUSTIC SODA FLAKE LG 100 #;PRODUCT CODE:16

MSDS Date:10/25/1989

FSC:6810

NIIN:00-174-6581

MSDS Number: BJXWK

=== Responsible Party ===

Company Name:HARCROS CHEMICALS INC.

Address:5200-SPEAKER ROAD

Box:2383

City:KANSAS CITY

State:KS

ZIP:66106-1095

Country:US

Info

Phone Num:913-321-3131

Emergency Phone Num:913-321-3131

CAGE:3H606

=== Contractor Identification ===

Company Name:HARCROS CHEMICALS INC.

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Box:2383

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===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 100.0%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA

Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====  
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LD50 LC50 Mixture:140-340 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF SWALLOWED, INHALED,  
OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO  
TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES  
AND SKIN. INHALATION MAY BE FATAL AS  
A RESULT OF SPASM,  
INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL  
PNEUMONITIS AND PULMONARY EDEMA.  
Effects of Overexposure:SEE HEALTH HAZARDS DATA.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====  
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First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BR  
EATHING.  
GET IMMEDIATE MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY  
OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL  
AT TENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND  
WATER. GET MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMITING.  
GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL  
ATTENTION.

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===== Fire Fighting Measures =====  
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Flash Point:NONE  
Extinguishing Media:USE WATER FOG, CARBON  
DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL  
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE HYDROGEN IS FORMED WITH  
AL, TIN,ZINC AND ALLOYS .COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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===== Accidental Release Measures =====  
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Spill Release Pro

cedures:COVER SPILL WITH SOLID NEUTRALIZER OR  
ABSORBER. PUT NEUTRALIZED MATERIAL IN LINED DISPOSAL CONTAINER.  
FLUSH RESIDUE WITH WATER.

Neutralizing Agent:DILUTE ACID

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. KEEP  
CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM  
PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID  
CONTACT WITH EYES AND SKI  
N. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE REQUIRED. ALWAYS USE NIOSH/MSHA APPROVED  
RESPIRATORS WHEN REQUIRED.

Ventilation:NONE REQUIRED WITH AN ADEQUATE VENTILATION.

Protective Gloves:NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PRO

CEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES.

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

HCC:B1

Boiling Pt:B.P. Text:2530F,1388C

Spec Gravity:2.13

Solubility in Water:COMPLETE

Appearance and Odor:WHITE SOLID, BEADS, PELLETS, OR FLAKES. NO DISTINCT  
ODOR.

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

Stability Indicator/Materials

to Avoid: YES

STRONG ACIDS, AL, ZN, SN, AND ALLOYS

Stability Condition to Avoid: WATER

Hazardous Decomposition Products: POSSIBLE CO GAS WITH REDUCING AGENTS.

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

Waste Disposal Methods: FOR SMALL QUANTITIES: CAUTIOUSLY ADD TO A LARGE STIRRED EXCESS OF WATER. ADJUST THE PH TO NEUTRAL, SEPARATE OUT SOLIDS AND PACKAGE FOR DISPOSAL. DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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