

PPG INDUSTRIES INC -- LIQUID CAUSTIC SODA,50% -- 6810-01-051-3050

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

Product ID:LIQUID CAUSTIC SODA,50%

MSDS Date:01/24/1990

FSC:6810

NIIN:01-051-3050

MSDS Number: BLMVP

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC

Address:1 PPG PL

City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Emergency Phone Num:304-843-1300

Preparer's Name:R. KENNETH LEE

CAGE:47695

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= Contractor Identification ===

Company Name:PPG INDUSTRIES INC

Address:ONE PPG PLACE

Box:City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Phone:1-800-245-2974 (CAL HYPO)

CAGE:47695

Company Name:SAINT AUGUSTINE SUPPLY

Address:2161 DOBBS ROAD

Box:60309

City:ST AUGUSTINE

State:FL

ZIP:32086

Country:US

Phone:904-824-6060

CAGE:0SMH5

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

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 50%

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

===== 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:ACUTE-CORROSIVE.CAUSES SEVERE BURNS TO  
SKIN AND EYES.MAY CAUSE LOSS OF VISION &  
DERMATITIS.INHALATION:MISTS CAN DAMAGE THE RESPIRATORY TRACT &  
LUNGS,SEVERE PNEUMONITI  
S.INGESTION:VERY SERIOUS DAMAGE TO THE  
MOUTH,ESOPHAGUS & STOMACH.CHRONIC-UNKNOWN.  
Effects of Overexposure:CORROSIVE. CAUSES SEVERE BURNS TO SKIN AND  
EYES. MAY CAUSE LOSS OF VISION & DERMATITIS. INHALATION OF MISTS  
CAN DAMAGE THE RESPIRATORY TRACT & LUNGS, SEVERE PNEUMONITIS.  
INGESTION CAN VERY SERIOUS DAM AGE THE MOUTH, ESOPHAGUS & STOMACH.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:GET MEDICAL  
ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.SKIN:  
FLUSH WITH PLENTY OF WATER UNTIL SKIN DOES NOT FEEL  
SLIPPERY.EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.HOLD EYELIDS  
OPEN. INHALATION:REMO VE TO FRESH AIR.GIVE CPR/OXYGEN IF  
NEEDED.INGESTION:DO NOT INDUCE VOMITING.IF CONSCIOUS,DRINK LARGE  
AMOUNT OF WATER OR ACIDIC BEVERAGE(TOMATO/ORANGE JUICE.NOTE TO  
PHYSICIAN:TREAT SYMTOMATICALLY.

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

Flash Point:NONE  
Ext  
inguishing 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:CONTACT WITH SOME METALS, PARTICULARLY  
MAGNESIUM, ALUMINUM AND ZINC (GALVANIZED), CAN GENERATE HYDROGEN  
RAPIDLY, WHICH IS EXPLOSIVE.

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

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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS.DIKE AREA TO  
CONTAIN SPILL.RECLAIM IF POSSIBLE OR DILUTE WITH WATER & NEUTRALIZE  
WITH DILUTE ACID.TRANSFER NEUTRALIZED MATERIAL TO CONTAINERS BY  
VACUUM TRUCK. REMOVE FOR DIS POSAL.FLUSH AREA WITH LARGE AMOUNT OF  
WATER.

Neutralizing Agent:WEAK ACID

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

Handling and Storage Precautions:STORAGE-STORE AWAY FROM INCOMPATIBLE  
MATERIALS.KEEP CONTAINER TIGHTLY CLO  
SED.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. HAZARDOUS  
CARBON MONOXIDE GAS CAN FORM UPON CONTACT WITH FOOD AND BEVERAGE  
PRODUCT IN ENCLOSED VESSELS AND CAN CAUSE DEATH. LIQUID CAUSTIC  
SODA IS SHIPPED H OT. AVOID SKIN CONTACT. MAY CAUSE BURNS.

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

Respiratory Protection:NORMALLY NOT REQUIRED. NIOSH/MSHA APPROVED  
RESPIRATOR SHOULD BE WORN IN THE ABSENCE OF ADEQUATE VENTILATION.

Ventilation:ADEQU

ATE

Protective Gloves:CHEMICAL RESISTANT GLOVES/RUBBER

Eye Protection:SAFETY GOGGLES WITH SIDE SHIELDS

Other Protective Equipment:CHEMICAL BOOTS, APRON, EYE WASH AND SAFETY  
EQUIPMENT

Work Hygienic Practices:DO NOT TAKE INTERNALLY. WASH THOROUGHLY AFTER  
HANDLING. KEEP OUT OF REACH OF CHILDREN.

Supplemental Safety and Health

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

HCC:B1

Boiling Pt:=142.2C, 288.F

Melt/Freeze Pt:=-17.2C, 1.F

Vapor Pres:1

Spec Gravity:1.530

pH:

> 13  
Solubility in Water:COMPLETE  
Appearance and Odor:CLEAR TO SLIGHTLY TURBID LIQUID. NO ODOR.  
Percent Volatiles by Volume:50

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

Stability Indicator/Materials to Avoid:YES  
ORGANIC MATERIALS AND CONCENTRATED ACIDS, MAGNESIUM, ALUMINUM,  
ZINC(GALVANIZED),TIN,CHROMIUM,BRASS,BRONZE & FOOD SUGAR.  
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES  
Hazardous Decomposition Products:REACTION WITH VARIOUS FOOD SUGAR MAY  
FORM CARBO  
N MONOXIDE.

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

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

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