

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

=

== 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 RE

C 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 PNEUMONIT
IS.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 MEDICA
L 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
Ex
tinguishing 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 =====

===

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 CLOSED.

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 HOT. 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:ADEQUATE

UATE

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 CARB
ON MONOXIDE.

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

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

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims
all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.