

PPG INDUSTRIES INC (WAS PITTSBURGH PLATE GLASS CO) -- CALCIUM HYPOCHLORITE --
6810-00-255-0471

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

Product ID:CALCIUM HYPOCHLORITE

MSDS Date:02/01/1989

FSC:6810

NIIN:00-255-0471

MSDS Number: BXFQD

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC (WAS PITTSBURGH PLATE GLASS CO)

Address:ONE PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272-0001

Country:US

Info Phon

e Num:412-434-3131

Emergency Phone Num:304-843-1300

Preparer's Name:R. KENNETH LEE

CAGE:47695

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

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:PPG INDUSTRIES INC CHEMICAL DIVISION

Address:ONE GATE

WAY CENTER
City:PITTSBURGH
State:PA
ZIP:15222-1416
Country:US
Phone:304-843-1300
CAGE:93915

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

Ingred Name:CALCIUM HYPOCHLORITE (SARA III) (65% AVAILABLE CHLORINE)
CAS:7778-54-3
RTECS #:NH3485000
Fraction by Wt: 65%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM (CL)
ACGIH TLV:0.5 PPM (CL); 9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:INERT (INCLUDES 5.5-10% MOISTURE)
Fraction by Wt: 35%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE ESTABLISHED BY OSHA/ACGIH FOR PROD
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:TISSUE IRRIT,UPPER RESP TRACT
IRRIT,NASAL CONGESTION,COUGH,SORE THROAT,LARYNGITIS,SHORTNESS OF
BREATH,PULM EDEMA.SKIN:SLIGHTLY TOXIC. SKIN/EYE:CORR.SEVERE
IRRIT,BURNS,TISSUE DESTRUCTION.INGEST:SEVERE B
URNS TO DIGESTIVE
TRACT,CAN BE FATAL,SLIGHTLY TOXIC.
Explanation of Carcinogenicity:PER MSDS:IC CHEMICAL LISTED AS
CARCINOGEN OR POTENTIAL CARCINOGE:NTP/IARC/OSHA:NO.
Effects of Overexposure:INHAL:TISSUE & UPPER RESP TRACT IRRIT, NASAL
CONGESTION, COUGHING, SORE THROAT, LARYNGITIS, SHORTNESS OF BREATH,
PULMONARY EDEMA. SKIN/EYE:SEVERE IRRIT, BURNS, TISSUE DESTRUCTION.
INGEST:SEVERE BURNS TO DIGESTIVE TRACT, CAN BE FATAL.
Medical Cond Aggravated by Exposure:NONE KNOWN.

=====

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

First Aid:INHAL:REMOVE TO FRESH AIR. NOT BREATHING GIVE ART RESP
PREFERABLY MOUTH-TO-MOUTH. BREATH DIFFICULT GIVE OXY. CALL
PHYSICIAN. EYE/SKIN:FLUSH W/PLENTY OF WATER FOR @LESAT 15MINS WHILE
REMOVING CONTAMIN CLOTH/SHOES. EYE:GET IMMED MED ATTN. SKIN IRRIT
OCCURS GET MED ATTN. INGEST:IF CONSCIOUS DRINK LG QUANT OF WATER &
ANY COMMON COOKING(VEG)OIL IF AVAILABLE. DO NOT INDUCE VOMIT. TAKE
IMMED TO (SUPPLE)

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

Flash Point:NONE

Extinguishing Media:WATER ONLY! SMOTHERING INEFFECTIVE-PRODUCT SUPPLIES
OWN OXYGEN.

Fire Fighting Procedures:FIRE FIGHTERS MUST WEAR NIOSH/MSHA APPORVED
PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS W/FULL FACEPIECE
FOR POSSIBLE EXPO TO HAZ GASES.

Unusual Fire/Explosion Hazard:DECOMPOSES @180C RELEASING OXY GAS.CNTNRS
MAY RUPTURE.MAY CAUSE FIRE/EXPLO IF MIX W/OTHER CHEM.FIRE RESULTS

CONTAM W/ACIDS/EASILY COMBUST MATL(ORG MATL,ETC).

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

Spill Release Procedures:USE EXTREME CAUTION IN HANDLING.CONTAMIN
W/ORG/COMBUST MATL MAY CAUSE FIRE/VIOLENT DECOMP;IF SO IMMED DOSE
W/PLENTY OF WATER.OTHERWISE SWEEPUP ALL VISIBLE MATL W/CLEAN DRY
SHOVEL/BROOM.DISSOLVE MATL I N WATER.DISPOSE OF WASTE MATL
ACCORDINGLY.

Neutralizing Agent:HYDROGEN PEROXIDE (1 PT OF 35% H2O2 PER 1 LB OF
CALCIUM HYPOCHLORITE).

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

Handling and Storage Precautions:DON'T GET IN EYES/SKIN/CLOTH.KEEP IN
ORIGINAL CNTNR IN COOL DRY PLACE & CLSD WHEN NOT IN USE.KEEP AWAY
FRM HEAT SOURCES/SPARKS/LIGHTED TOBACCO PRODUCT

Other Precautions:USE ONLY CLEAN DRY METAL/PLASTIC SCOOP EACH TIME PROD
TAKEN FRM CNTNR.DON'T ADD PROD TO DISPERSING DEVICE HAVING
REMNANTS OF OTHER MATL.SAFE HANDL OF MATL ON LONG-TERM BASIS SHOULD
EMPHASIZE MIN REPE ATED A

CUTE EXPO.AQUATIC:HIGHLY TOX.(SUP)

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

Respiratory Protection:IF DUSTY CONDITONS ENCOUNTERED USE NIOSH/MSHA APPROVED RESP W/ACID GAS CARTRIDGE & DUST PREFILTER.RESP USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR MFG MUST BE OBSERVED.RESP PROTECTION PROGRAMS MUST BE IAW 29CFR1910.134.

Ventilation:NONE, UNLESS DUSTY CONDITIONS ARE ENCOUNTERED.

Protective Gloves:NATURAL OR SYNTHETIC RUBBER

Eye Protection:CHEMICAL LSAFETY GOG
GLES

Other Protective Equipment:USE BOOTS,APRONS,CHEM SUITS WHEN NECESSARY TO PREVENT SKIN CONTACT.PERSONAL PROT CLOTH/EQPMT IAW 29CFR1910.134 & 133.

Work Hygienic Practices:WASH HANDS AFT HANDLING.FATAL/HARMFUL IF INGEST.MAY CAUSE CHEM BURNS.IRRIT TO NOSE/THROAT-AVOID BREATHING DUST.

Supplemental Safety and Health

PH OF SOLN:ALKALINE. 1ST AID:HOSPITAL/PHYSICIAN.DO NOT ATTEMPT TO INDUCE VOMIT OR GIVE ANYTHING BY MOUTH IF UNCONSC.NOTE TO DR:TREAT SYMPTOMATICALLY. OTHER PREC

AUT:ADD PROD ONLY TO WATER.DON'T REUSE

CN TNR.KEEP OUT OF CHILDREN.PROD REGISTERED W/EPA AS PESTICIDE.

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

HCC:D1

Boiling Pt:B.P. Text:DECOMP@180C

Decomp Temp:Decomp Text:356F,180C

pH:SUPPLE

Solubility in Water:217G/L @27C

Appearance and Odor:WHITE POWDER WITH SLIGHT CHLORINE ODOR.

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

Stability Indicator/Materials to Avoid:NO
ACIDS, BOMSUTIBLE MATLS, ORGANICS,
REDUCING AGENTS.

Stability Condition to Avoid:CONTAMINATION OR EXCESSIVE HEAT ABOVE
177C.

Hazardous Decomposition Products:ACIDS OR AMMONIA CONTAMIN RELEASES TOX
GASES.EXCESSIVE HEAT WILL CAUSE DECOMP RESULTING IN RELEASE OF OXY
& CHLORINE GAS

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

Waste Disposal Methods:SPILLED MATL DISSOLVED IN WATER SHOULD BE USED
IMMED IN NORMAL APPLICATION FOR WHICH MATL BEING CONSUMED.IF NOT
NEUTRALIZE W/HYDROGEN PEROXIDE

(1PT 35%H₂O₂ PER LB PRODUCT).DILUTE

W/PLENTY OF WATER.FLUS H TO SEWER.DISPOSE OF IAW ALL APPLICABLE
REGS/LAW.

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 profes
sional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.