

PPG INDUSTRIES INC (WAS PTTTSBURGH 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 PTTTSBURGH PLATE GLASS CO)

Address:ONE PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272-0001

Country:US

Info Pho

ne 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 GAT

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

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Composition/Information on Ingredients  
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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 RE  
COMMENDED

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Hazards Identification  
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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:S EVERE  
BURNS 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.

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First Aid Measures  
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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)

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Fire Fighting Measures  
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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

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

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Accidental Release Measures  
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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)

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Handling and Storage  
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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

ACUTE EXPO.AQUATIC:HIGHLY TOX.(SUP)

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===== 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 GO

GGLES

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 PRE

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

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

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===== 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.

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===== 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

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===== 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 PEROXID

E(1PT 35%H<sub>2</sub>O<sub>2</sub> PER LB PRODUCT).DILUTE  
W/PLENTY OF WATER.FLUS H TO SEWER.DISPOSE OF IAW ALL APPLICABLE  
REGS/LAW.

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