

PPG INDUSTRIES INC CHEMICAL DIVISION -- INDUCLOR (TM), OR INDUCLOR (TM) + --  
6810-01-358-4336

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

Product ID:INDUCLOR (TM), OR INDUCLOR (TM) +

MSDS Date:05/20/1996

FSC:6810

NIIN:01-358-4336

MSDS Number: BZQZW

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC CHEMICAL DIVISION

Address:ONE PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Info Phone Num:

412-434-3131

Emergency Phone Num:304-843-1300

Preparer's Name:R. KENNETH LEE

CAGE:93915

=== Contractor Identification ===

Company Name:PPG INDUSTRIES INC CHEMICAL DIVISION

Address:ONE GATEWAY CENTER

City:PITTSBURGH

State:PA

ZIP:15222-1416

Country:US

Phone:304-843-1300

CAGE:93915

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

Ingred Name:CALCIUM HYPOCHLORITE (CERCLA)

CAS:7778-54-3

RTECS #:NH3485000

Fraction by Wt: 65%

Other REC Limits:1 MG/M3, 2 MMG/M3 ST

OSHA PEL:0.5 PPM

(CL)  
ACGIH TLV:0.5PPM/1STEL(CL)9495  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:INERT INGREDIENTS (INCLUDES 5-10% MOISTURE)  
Fraction by Wt: 35%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-IS CORROSIVE TO EYES & N/K MAY  
C  
AUSE BURNS TO SKIN. INHALATION(OF DUST):MAY CAUSE EFFECTS FROM  
RESPIRATORY IRRITATION TO PULMONARY EDEMA. DUE TO GRANULAR NATURE,  
DUST IS NOT GENERALLY ENCOUNTERED. INGESTION:CAUSES SEVERE BURNS  
TO G/TRACT. CHRONIC-NO CHRONIC EFFECTS FOUND IN MAMMLES. MINIMIZE  
ACUTE EXPOSURES.  
Explanation of Carcinogenicity:CALCIUM HYPOCHLORITE HAS NOT PRODUCED  
CARCINOGENIC EFFECTS.  
Effects of Overexposure:EYE:SEVERE IRRITATION, BURNS. SKIN:POSSIBLE  
BURNS. INHALATION:UPPER RESPIRATORY I  
RRITATION, NASAL CONGESTION,  
COUGHING, SORE THROAT, LARYNGITIS, SHORTNESS OF BREATH, PULMONARY  
EDEMA. INGESTION:SEVERE BURNS TO G/I TRACT.  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:IF IRRITATION OCCURS, GET MEDICAL ATTENTION. EYE:FLUSH  
W/WATER FOR 15 MIN & GET MEDICAL ATTENTION. SKIN:WASH W/SOAP &  
WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE.  
INHALED:REMOVE FROM EX POSURE. AI  
D OR RESTORE BREATHING AS NEEDED.  
INGESTED:DO NOT INDUCE VOMITING. GIVE QUANTITIES OF WATER &  
VEGETABLE OIL TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY  
MOUTH IF UNCONSCIOUS.

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

Flash Point:NONE  
Extinguishing Media:WATER ONLY. SMOTHERING INEFFECTIVE - PRODUCT  
SUPPLIES OWN OXYGEN.  
Fire Fighting Procedures:FIRE FIGHTERS MUST WEARNIOSH/MSHA APPROVED,  
PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS W/

FULL FACE

PIECE FOR POSSIBLE EXPOSURE TO HAZARDOUS GASES.

Unusual Fire/Explosion Hazard:DECOMPOSES AT 180C RELEASING OXYGEN GAS;  
CONTAINERS MAY RUPTURE.

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

Spill Release Procedures:USE EXTREME CAUTION! CONTAMINATION W/ORGANIC  
OR COMBUSTIBLE MATERIAL MAY CAUSE FIRE OR VIOLENT DECOMPOSITION. IF  
FIRE OCCURS, COUSE W/PLENTY OF WATER. OTHERWISE, SWEEP UP USING DRY  
SHOVEL & BROO & DIS OLVE IN WATER.

Neutralizing Age

nt:HYDROGEN PEROXIDE (1 PT OF 35% H2O2 PER POUND  
CALCIUM HYPOCHLORITE).

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

Handling and Storage Precautions:KEEP IN ORIGIONAL CONTAINER IN A COOL,  
DRY PLACE. KEEP CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT,  
SPARKS, OPEN FLAME, LITED TOBACCO PRODUCTS.

Other Precautions:DO NOT GET IN EYS, ON SKIN OR CLOTHING. USE ONLY A  
CLEAN DRY SCOOP. DO NOT ADD TO DISPENSING DEVICE CONTAINING  
REMNANTS OF ANY OTHER PRODUCT(FI  
RE/EXPLOSION). ADD ONLY TO WATER.  
MAY CAUSE FIRE/EXPLOSION IF MIXED W/OTHER CHEMICALS.

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

Respiratory Protection:IF DUSTY CONDITIONS OCCUR, USE NIOSH/MSHA  
AORIVED RESPIRATOR W/ACID GAS CARTRIDGE & DUST PRE-FILTER. OBSERVE  
MANUFACTURER'S RESPIRATOR LIMITATIONS. COMPLY W/29CFR1910.134.

Ventilation:NONE, UNLESS CUSTY CONDITIONS ARE ENCOUNTERED.

Protective Gloves:NATURAL OR SYNTHETIC RUBBER.

Eye Protection:CHEMICAL SAFE  
TY GOGGLES.

Other Protective Equipment:BOOTS, APRON OR CHEMICAL SUITS WHERE  
NECESSARY TO PREVENT SKIN CONTACT. I/A/W 29CFR1910.132, .133 &  
.138.

Work Hygienic Practices:WASH HANDS AFTER HANDLING

Supplemental Safety and Health

FIRE MAY RESULT IF CONTAMINATED W/ACIDS OR EASILY COMBUSTIBLE MATERIAL  
SUCH AS OIL, KEROSENE, GASOLINE, PAINT PRODUCTS & MOST ORGANIC  
MATERIALS. DO NOT REUSE CONTAINER. THOROUGHLY FLUSH EMPTY CONTAINER  
R W/WATER THEN DESTROY. DO NOT CONTAMINATE WATER, FOO

D OR FEED BY  
STORAGE OR DISPOSAL OF THIS PRODUCT.

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

HCC:D1  
NRC/State Lic Num:NONE  
Boiling Pt:B.P. Text:356F,180C  
Decomp Temp:Decomp Text:356F,180C  
pH:ALKALI  
Solubility in Water:217 GM/L  
Appearance and Odor:WHITE POWDER W/SLIGHT CHLORINE ODOR

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

Stability Indicator/Materials to Avoid:NO  
ACIDS, COMBUSTIBLE MATERIALS, ORGANICS, REDUCING AGENTS.  
Stability Condit  
ion to Avoid:CONTAMINATION OR EXCESSIVE HEAT ABOVE  
177C.  
Hazardous Decomposition Products:ACIDS/AMMONIA WILL RELEASE TOXIC  
GASES. EXCESSIVE HEAT WIL RELEASE OXYGEN & CHLORINE GASES.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:USE DISOLVED MATERIAL IN NORMAL APPLICATION. IF  
NOT POSSIBLE, NEUTRALIZE, DILUTE W/PLENTY OF WATER & FLUSH TO  
DRAIN. DISPOSE OF CHEMICAL MATERIALS & THEIR CON  
TAINERS I/AW CLEAN  
AIR ACT, CLEAN WATER A CT, RCRA, FIFRA ASWELL AS ANY OTHER  
REGULATIONS.

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