

PPG INDUSTRIES INC CHEMICAL DIVISION -- INDUCLOR (TM), OR INDUCLOR (TM) + --
6810-00-255-0471

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

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

MSDS Date:05/20/1996

FSC:6810

NIIN:00-255-0471

MSDS Number: BZQVZ

=== 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
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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(OFF 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
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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 & LAUNDRY BEFORE REUSE.
INHALED:REMOVE FROM EXPOSURE. 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
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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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