

PPG INDUSTRIES INC -- 51211, SUPER SHOCK-IT -- 6810-01-358-4336

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

Product ID:51211, SUPER SHOCK-IT

MSDS Date:06/15/1998

FSC:6810

NIIN:01-358-4336

MSDS Number: CJVLS

=== Responsible Party ===

Company Name:PPG INDUSTRIES INC

Address:ONE PPG PLACE

City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Info Phone Num:304-843-1300

Emergency Phone Num:304-843-1300

Preparer's Nam

e:R. KENNETH LEE

CAGE:47695

=== Contractor Identification ===

Company Name:CHEMICAL MANAGEMENT SYSTEMS LLC DBA CHEMICAL MANAGEMENT  
SYST

Address:11029 NATURAL BRIDGE

Box:City:BRIDGETON

State:MO

ZIP:63044

Country:US

Phone:314-731-7278

Contract Num:SP0450-99-M-NJ58

CAGE:1LFJ4

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-264-5183/FAX: 264-5535

Contract Num:SP0450-00-M-D230

CAGE:0YED2

Company Name:PHOENIX INDUSTRIE

S INC  
Address:1519 CHAMBERLAYNE PARKWAY  
Box:City:RICHMOND  
State:VA  
ZIP:23222  
Country:US  
Phone:804-264-5183/FAX: 264-5535  
Contract Num:SP0450-00-M-SE79  
CAGE:0YED2  
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

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Composition/Information on Ingredients  
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Ingred Name:CALCIUM HYPOCHLORITE (CERCLA) (NOTE:65% AVAILABLE CHLORINE)  
CAS:7778-54-3  
RTECS #:NH3485000  
> Wt:65.  
Othe  
r 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 5.5-10% MOISTURE)  
< Wt:35.  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:ORAL LD50 (RAT)= NOT SPECIFIED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALAT

ION: LEAD TO IRRITATION OF

TISSUE & CAUSE VARIETY OF EFFECTS DEPENDENT ON CONC. UPPER RESP TRACT IRRIT, NASAL CONGESTION, COUGH, SORE THROAT, LARYNGITIS, SHORTNESS OF BREATH. IN OPERATIONS WHER E HI CONCENTRATION OF RESPIRABLE PARTICULATES PULMONARY EDEMA MAY BE PRODUCED-IF NOT TREATED IMMED CAN BE LIFE THREATENING, (SINCE PROD GRANULAR FORM PARTICLES OF RESPIRABLE SIZE NOT GENERALLY ENCOUNT ERED). EYE/SKIN: CORROSIVE TO EYES. SEVERE EYE IRRIT, EVEN BLINDNESS. SKIN-SE

VERE

IRRITATION, BURNS, TISSUE DESTRUCTION. INGEST: SEVERE BURNS TO DIGESTIVE TRACE, CAN BE FATAL.

Explanation of Carcinogenicity:PER MSDS: CALCIUM HYPOCHLORITE IS NOT LISTED AS CARCINOGEN OR SUSPECTED CARCINOGEN BY NTP/IARC/OSHA.

Effects of Overexposure:INHALATION: IRRITATING TISSUE, UPPER RESPERATORY TRACT IRRITATION, NASAL CONGESTION, COUGHING, SORE THROAT, LARYNGITIS, SHORTNESS OF BREATH, PULMONARY EDEMA-CAN BE LIFE THREATENING. CORROSIVE TO EYES, SEVERE EYE IRRITATI

ON,

BLINDNESS. SEVERE SKIN IRRITATION, BURNS, TISSUE DESTRUCTION. SEVERE BURNS TO DIGESTIVE TRACT & CAN BE FATAL IF INGESTED.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:INHALATION: MOVE TO FRESH AIR.IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING DIFFICULT GIVE OXYGEN. CALL PHYSICIAN. EYE/SKIN CONTACT: IN CASE OF CONTACT, IMMEDI ATELY FLUSH EYES AND SKI

N WITH PLENTY OF WATER

(SOAP AND WATER FOR SKIN) FOR AT LEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. FOR EYE CONTACT, GET IMMEDIATE MEDICAL ATTENTION. IF SKIN IRRITATION OCCURS, GET MEDICAL ATTENTION. INGESTION: IF SWALLOWED, GIVE AT LEAST 3-4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING P ERSON. GET MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:WATER ONLY. SMOTHERING IS INEFFECTIVE AS PRODUCT SUPPLIES ITS OWN OXYGEN.

Fire Fighting Procedures:PRODUCT DECOMPOSES AT 180 C RELEASING OXYGEN GAS. CONTAINER MAY RUPTURE. FIRE-FIGHTERS MUST WEAR NIOSH APPROVED, PRESSURE, DEMAND, SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE FOR POSSIB LE EXPOSURE TO HAZARDOUS GASES.

Unusual Fire/Explosion Hazard:PRODUCT SUPPLIES ITS OWN OXYGEN.

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===== Accidental Release Measures =

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Spill Release Procedures:USE EXTREME CAUTION IN HANDLING SPILLED MATERIAL. CONTAMINATION WITH ORGANIC OR COMBUSTIBLE MATERIAL MAY CAUSE FIRE OR VIOLENT DECOMPOSITION. IF FIRE OR DECOMPOSITION OCCURS IN AREA OF SPILL, IMMEDIA TELY DOUSE WITH PLENTY OF WATER. OTHERWISE, SWEEP UP ALL VISIBLE MATERIAL USING A CLEAN, DRY SHOVEL AND BROOM AND DISSOLVE MATERIAL IN WATER. SPILLED MATERIAL THAT HAS BEEN SWEEP UP AND DISSOLVED IN W

Neutralizing Agent:HYDROGEN PEROXIDE (1 PT OF 35% HYDROGEN PEROXIDE SOLUTION PER POUND OF CALCIUM HYPOCHLORITE TO BE NEUTRALIZED).

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

Handling and Storage Precautions:STORE IN COOL DRY WELL VENTED AREA, IN ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IS USE. KEEP AWAY FROM HEAT, SPARKS, FLAMES, DIRECT SUNLIGHT, AND OTHER SOURCES OF HEAT, INCLUDING LIGHTED TOB ACCO PRODUCTS. USE ONLY A CLEAN, DRY SCOOP MADE OF METAL OR PLASTIC EACH T

IME PRODUCT IS TAKEN FROM

Other Precautions:FROM HANDLING/STG PRECAUTIONS: VIOLENT RX,FIRE/EXPLO. FIRE MAY RESULT IF CONTAM W/ACIDS/EASILY COMBUST MATL(OIL,KEROSENE,GASOLINE,PAINT,ORG MATL). DONT REUSE CNTNR. RESIDUAL MATL REMAIN IN EMPTY DRM C AUSE FIRE.THOROUGHLY FLUSH CNTNR W/H2O, DESTROY(PLACE IN TRASH COLLECTION). DONT CONTAM H2O/FOOD/FEE D BY STORAGE/DISP.

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

Respiratory Protection:IF DUSTY CONDITIONS OC CUR OR ENCOUNTERED , USE NIOSH APPROVED RESPIRATOR WITH ACID GAS CARTRIDGE & DUST PRE-FILTER. THE RESPIRATORY USE LIMITATIONS MADE BY NIOSH OR THE MANUFACTURER MUST BE OBSERVED. RESPIRATORY PROTECTION PROGRAMS MUST BE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:NONE, UNLESS DUSTY CONDITIONS ARE ENCOUNTERED.

Protective Gloves:NATURAL OR SYNTHETIC RUBBER.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:BOOTS, APRON OR CHEMICAL SUITS SHOULD BE USED WHEN

NECESSARY TO PREVENT SKIN CONTACT. PERSONAL PROTECTIVE CLOTHING AND USE OF EQUIPMENT MUST BE IN ACCORDANCE WITH 29CFR1910.132, .133 & .138.

Work Hygienic Practices:SAFE HANDLING OF MATERIAL ON LONG-TERM BASIS SHOULD EMPHASIZE MINIMIZING REPEATED ACUTE EXPOSURE.

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, FOOD OR FEED BY STORAGE OR DISPOSAL OF THIS PRODUCT.

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

HCC:D1

NRC/State Lic Num:NONE

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

Decomp Temp:=180.C, 356.F

pH:ALKALINE

Solubility in Water:217 G/L @ 27 C.

Appearance and Odor:WHITE POWDER WITH SLIGHT CHLORINE ODOR.

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

Stability Indicator/Materials to

Avoid:NO

CONTAMINATION. EXCESSIVE HEAT ABOVE 177 C, ACIDS, COMBUSTIBLE MATERIALS, ORGANICS, REDUCING AGENTS.

Stability Condition to Avoid:UNSTABLE ABOVE 177 C.

Hazardous Decomposition Products:ACID OR AMMONIA CONTAMINATION WILL RELEASE TOXIC GASES. EXCESSIVE HEAT WILL CAUSE DECOMPOSITION RESULTING IN THE RELEASE OF OXYGEN AND CHLORINE GAS.

===== Toxicological Information =====

Toxicological Information:ACUTE INHALATION LC50: RAT - NO MORTALITY AT

3.5 MG/L (1 HR), IRRITATING. ACUTE DERMAL LD50: RABBIT >1000 MG/KG, SLIGHT TO VERY LOW TOXICITY. SKIN IRRITATION: CAUSES BURNS. EYE IRRITATION: CAUSES BURN S. ACUTE ORAL LD50: RAT - 850 MG/KG. SLIGHT TO VERY LOW TOXICITY. CHRONIC EFFECTS/CARCINOGENITY: PRODUCT IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY NTP, IARC, OR OSHA.

===== Ecological Information =====

Ecological:HIGHLY TOXIC TO AQUATIC LIFE. 0.088 MG/L (BLUEGILL) 96-HOUR

LC50.

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

Waste Disposal Methods:SPILLED MATERIAL THAT HAS BEEN SWEEPED UP AND DISSOLVED IN WATER SHOULD BE USED IMMEDIATELY IN THE NORMAL APPLICATION FOR WHICH THIS PRODUCT IS BEING USED. IF THIS IS NOT POSSIBLE, CAREFULLY NEUTRALIZE DISSOLVED MATERIAL BY ADDING HYDROGEN PEROXIDE(ONE PINT OF 35% HYDROGEN PEROXIDE SOLUTION PER POUND OF CALCIUM HYPOCHLORITE TO BE NEUTRALIZED)

===== MSDS Transport Information =====

Transport Information:SEE TRANSPORTATION SECTION.

===== Regulatory Information =====

SARA Title III Information:SARA 311/312 HAZARD CLASS: ACUTE HEALTH HAZARD, REACTIVE HAZARD, FIRE HAZARD. SARA 313: NOT LISTED. SARA 302: NOT LISTED AS AN EXTREMELY HAZARDOUS SUBSTANCE.  
Federal Regulatory Information:LISTED ON TSCA INVENTORY. LISTED ON EUROPEAN EINECS. LISTED ON CANADIAN DSL. LISTED ON AUSTRALIAN ECL. LISTED ON JAPAN MITI. LISTED ON TABLE 302.4 OF 40CFR PART 302 AS HAZARDOUS SUBSTANCE WITH RQ OF 10 LBS. REPORT RELEASES TO AIR, LAND, WATER IN EXCESS OF RQ TO NATIONAL RESPONSE CENTER AT 800-424-8802. NFPA RATING: HEALTH - 3, FLAMMABILITY - 0, REACTIVITY - 1 (OXIDIZER). FIFRA: REGISTERED AS A PESTICIDE.  
State Regulatory Information:NOT PROVIDED

===== Other Information =====

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