

51211, SUPER SHOCK-IT

MSDS Number

CJVLS

National Stock Number

6810-01-358-4336

Product Name

51211, SUPER SHOCK-IT

Manufacturer

PPG INDUSTRIES INC

Product Identification

Product ID:51211, SUPER SHOCK-IT

MSDS Date:06/15/1998

FSC:6810

NIIN:01-358-4336

MSDS Number: CJVLS

Responsible Party

PPG INDUSTRIES INC

ONE PPG PLACE

PITTSBURGH , PA 15272

US

Emergency Phone: 304-843-1300

Info Phone: 304-843-1300

Preparer: R. KENNETH LEE

Cage: 47695

Contractor

PPG INDUSTRIES INC

PITTSBURGH, PA 15272

US

1-800-245-2974 (CAL HYPO)

Cage: 47695

Ingredients

65% AVAILABLE CHLORINE)

CAS: 7778-54-3

RTECS: NH3485000

OSHA PEL0.5 PPM (CL)

ACGIH TLV: 0.5PPM/1STEL(CL)9495

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

INERT INGREDIENTS (INCLUDES 5.5-10% MOISTURE)

Hazards

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:INHALATION: 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 WHERE HIGH CONCENTRATION OF RESPIRABLE PARTICULATES PULMONARY EDEMA MAY BE PRODUCED-IF NOT TREATED IMMEDIATELY CAN BE LIFE THREATENING, (SINCE PRODUCT GRANULAR FORM PARTICLES OF RESPIRABLE SIZE NOT GENERALLY ENCOUNTERED). EYE/SKIN: CORROSIVE TO EYES. SEVERE EYE IRRIT, EVEN BLINDNESS. SKIN-SEVERE IRRITATION, BURNS, TISSUE DESTRUCTION. INGEST: SEVERE BURNS TO DIGESTIVE TRACT, 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 RESPIRATORY TRACT IRRITATION, NASAL CONGESTION, COUGHING, SORE THROAT, LARYNGITIS, SHORTNESS OF BREATH, PULMONARY EDEMA-CAN BE LIFE THREATENING. CORROSIVE TO EYES, SEVERE EYE IRRITATION, BLINDNESS. SEVERE SKIN IRRITATION, BURNS, TISSUE DESTRUCTION. SEVERE BURNS TO DIGESTIVE TRACT & CAN BE FATAL IF INGESTED.
Medical Condition Aggravated by Exposure:NONE KNOWN.

First Aid

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, IMMEDIATELY FLUSH EYES AND SKIN 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 PERSON. GET MEDICAL ATTENTION.

Fire Fighting

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 POSSIBLE EXPOSURE TO HAZARDOUS GASES.
Unusual Fire/Explosion Hazard:PRODUCT SUPPLIES ITS OWN OXYGEN.

Accidental Release

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, IMMEDIATELY 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 SWEEPED UP AND DISSOLVED IN WATER
Neutralizing Agent:HYDROGEN PEROXIDE (1 PT OF 35% HYDROGEN PEROXIDE SOLUTION PER POUND OF CALCIUM HYPOCHLORITE TO BE NEUTRALIZED).

Handling

Handling and Storage Precautions:STORE IN COOL DRY WELL VENTED AREA, IN ORIGINAL CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT, SPARKS, FLAMES, DIRECT SUNLIGHT, AND OTHER SOURCES OF HEAT, INCLUDING LIGHTED TOBACCO PRODUCTS. USE ONLY A CLEAN, DRY SCOOP MADE OF METAL OR PLASTIC EACH TIME PRODUCT IS TAKEN FROM CONTAINER.
Other Precautions:FROM HANDLING/STORAGE PRECAUTIONS: VIOLENT REACTION, FIRE/EXPLOSION. FIRE MAY RESULT IF CONTAMINATED WITH ACIDS/EASILY COMBUSTIBLE MATERIAL (OIL, KEROSENE, GASOLINE, PAINT, ORGANIC MATERIAL). DO NOT REUSE CONTAINER. RESIDUAL MATERIAL REMAINING IN EMPTY DRUM MAY CAUSE FIRE. THOROUGHLY FLUSH CONTAINER WITH WATER, DESTROY (PLACE IN TRASH COLLECTION). DO NOT CONTAMINATE FOOD/FED BY STORAGE/DISPOSAL.

Exposure Controls

Respiratory Protection: IF DUSTY CONDITIONS OCCUR 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 W/WATER THEN DESTROY. DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL OF THIS PRODUCT.

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

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.

Disposal

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)

Toxicology

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 BURNS. ACUTE ORAL LD50: RAT - 850 MG/KG. SLIGHT TO VERY LOW TOXICITY. CHRONIC EFFECTS/CARCINOGENICITY: PRODUCT IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY NTP, IARC, OR OSHA.

Other Information

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

Ecology

Ecological:HIGHLY TOXIC TO AQUATIC LIFE. 0.088 MG/L (BLUEGILL) 96-HOUR LC50.

Transport

Transport Information:SEE TRANSPORTATION SECTION.

Regulatory

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 PE STICIDE.
State Regulatory Information:NOT PROVIDED