

COATINGS FOR INDUSTRIES INC -- ALSEAL-518 -- 8030-00-145-0039

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

Product ID:ALSEAL-518

MSDS Date:12/01/1990

FSC:8030

NIIN:00-145-0039

MSDS Number: BDCCC

=== Responsible Party ===

Company Name:COATINGS FOR INDUSTRIES INC

Address:319 TOWNSHIP LINE RD

City:SOUDERTON

State:PA

ZIP:18964-1905

Country:US

Info Phone Num:215-723-3418

Emergency Phone Num:215-723-3418

CAGE:53

012

=== Contractor Identification ===

Company Name:COATINGS FOR INDUSTRIES INC

Address:319 TOWNSHIP LINE RD

Box:City:SOUDERTON

State:PA

ZIP:18964-1905

Country:US

CAGE:53012

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

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 42%

Other REC Limits:10 MG/M3

OSHA PEL:15 MG/M3 DUST

ACGIH TLV:10 MG/M3 DUST; 9394

Ingred Name:PHOSPHORIC ACID, REACTION PRODUCTS W/ALUMINUM & CHROMIUM

OXDE 3.3% OF TOTAL

WT IS CRO3.
CAS:92203-02-6
Fraction by Wt: 58%
Other REC Limits:.025 MG/M3 CR(VI)TWA
OSHA PEL:0.1 MG/M3 CRO3
ACGIH TLV:.05 MG/M3 SOL CR(VI)

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE-EYES/SKIN:IRRITATION/BURNS.
INHALATION:CAUSES SEVERE IRRITATION TO THE RESPIRATORY TRACT.
INGESTION:HARMFUL. SEVERE INJURY OR DEATH. CHRONIC-PULMONARY TRACT
CANCER, SKIN ULCERS, CONJUNCTIVITIS, KIDNEY FAILURE. TARGET
ORGANS:LUNGS, KIDNEY, SKIN.
Explanation of Carcinogenicity:NTP AND IARC HAVE DETERMINED THAT THERE
IS SUFFICIENT EVIDENCE FOR THE CARCINOGENICITY OF CR(VI) COMPOUNDS
IN HUMANS.
Effects of Overexposure:INHALATION:SEVERE IRRITATION, COUGHING,
DIFFICULTY IN BREATHING. EYES: IRRITATION, BURNS, REDNESS, PAIN.
SKIN:IRRITATION, BURNS, ITCHING, PAIN. INGESTION:NAUSEA, VOMITING,
DIARRHEA,
BLOOD IN STOOLS.
Medical Cond Aggravated by Exposure:PULMONARY DISORDERS, SKIN CUTS,
PREVIOUS EXPOSURE TO CHROMIUM COMPOUNDS.

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

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/OXYGEN IF NEEDED.
EYE CONTACT:FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL HELP. SKIN
CONTACT:WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. GET
MEDICAL ATTENTION IF SYMPTOMS PERSIST. INGESTION:DO NOT INDUCE
VOMITING, DRINK
1-2 GLASSES OF WATER OR MILK. GET MEDICAL HELP
IMMEDIATELY.

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

Flash Point:NONE
Extinguishing Media:USE SAND OR CARBON DIOXIDE.
Fire Fighting Procedures:DO NOT USE EXTINGUISHING AGENTS CONTAINING WATER
AS REACTION W/ALUMINUM MAY PRODUCE HYDROGEN GAS. WEAR PROTECTIVE
CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:CONTACT W/ALKALIS, STRONG REDUCING OR
OXIDIZING AGENT MAY PRODUCE HYDROGEN

GAS CAUSING FIRE/EXPLOSION
HAZARD. TOXIC PHOSPHIDE MAY BE GIVEN OFF IN FIRE.

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

Spill Release Procedures:EVACUATE AREA, WEAR PROTECTIVE EQUIPMENT. USE INERT ABSORBING MATERIAL TO SOAK UP THEN NEUTRALIZE W/SODIUM BICARBONATE. "DO NOT" USE STRONG ALKALIS. TRANSFER TO DISPOSAL CONTAINER. THEN FLUSH AREA WITH WATER.
Neutralizing Agent:SODIUM BICARBONATE.

===== Handling and Storage =====
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Handling and Storage Precautions:STORE IN AREA WHERE IT WILL NOT COME IN CONTACT WITH STRONG ALKALIS OR OXIDIZING AGENTS AS HYDROGEN GAS MAY BE PRODUCED CAUSING FIRE OR EXPLOSION HAZARD.
Other Precautions:PROTECT FROM FREEZING. AVOID CONTACT WITH SKIN AND EYES. DO NOT INHALE MIST.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR WHEN SPRAYING. #9910 RESPIRATOR MANUFACTURED BY 3M OR EQUIVALENT IS SUGGESTED. FOLLOW OSHA DIRECTION FOR RESPIRATOR (29 CFR 1910.134).
Ventilation:ADEQUATE TO REMOVE SPRAY MIST.
Protective Gloves:RUBBER
Eye Protection:CHEMICAL SAFETY GOGGLES WITH SHIELD
Other Protective Equipment:APRON, EYEWASH STATION, SHOWER.
Work Hygienic Practices:DO NOT WEAR CONTACT LENSES. WASH HANDS AFTER USE. DO NOT EAT, DRINK WHILE WORKING WITH THIS PRODUCT.
Supplemental Safety and Health
NOTE:THE NAT'L TOXICOLOGY PROGRAM LISTS CHROMIUM & CERTAIN CHROMIUM COMPOUNDS TO BE CARCINOGENIC. 3.3% OF TOTAL WEIGHT IS CrO3.

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

HCC:C1
Spec Gravity:1.65
pH:2.0
Solubility in Water:APPRECIABLE
Appearance and Odor:GREEN-GRAY WITH NO ODOR.
Percent Volatiles by Volume:60.8

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

Stability Indicator/Materials to Avoid:YES
ALKALIS, STRONG REDUCING AND OXIDIZING AGENTS.
Stability Condition to Avoid:CONTACT WITH ALKALIS OR STRONG REDUCING OR OXIDIZING AGENTS.
Haz

ardous Decomposition Products:NONE GIVE BY MFR. POSSIBLE ACID FUMES
AND METAL OXIDES FUMES .

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

Waste Disposal Methods:FILTER TO REMOVE ALUMINUM & DISCARD THIS AS
SOLID CHEMICAL WASTE. TREAT REMAINING LIQUID W/SODIUM
METABISULFITE, THEN PRECIPITATE TRIVALENT CHROMIUM BY NEUTRALIZING
WITH ALKALI, SUCH AS LIME. DISPOSE WASTE IN ACCORDANCE WITH LOCAL,
STATE AND FED REGS

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