

A.P. GREEN REFRACTORIES CO. -- GREENMUL-60 -- 9350-00-542-3450

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

Product ID:GREENMUL-60

MSDS Date:05/05/1989

FSC:9350

NIIN:00-542-3450

MSDS Number: BRSTC

=== Responsible Party ===

Company Name:A.P. GREEN REFRACTORIES CO.

Address:GREEN BLVD

City:MEXICO

State:MO

ZIP:65265-2582

Country:US

Info Phone Num:314-473-3626

Emergency Phone Num:314-473-3626

CAGE:84446

=== Contractor Identification ===

Company Name:GREEN A P INDUSTRIES INC

Address:GREEN BLVD

Box:City:MEXICO

State:MO

ZIP:65265-2582

Country:US

Phone:573-473-3626

CAGE:84446

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

Ingred Name:SILICA, CRYSTALLINE - CRISTOBALITE

CAS:14464-46-1

RTECS #:VV7325000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE TABLE Z3

ACGIH TLV:0.05 MG/M3 RDUST9293

Ingred Name:SILICA, CRYSTALLINE - QUARTZ

CAS:14808-60-7

RTECS #:VV7330000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE TABLE Z3

ACGIH TLV:0.1 MG/M3 RDUST;9293

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:DUST OR CHIPS CAN CAUSE MECHANICAL IRRITATION TO EYES, MECHANICAL ABRASION OR CUTS TO SKIN, RESPIRATORY IRRITATION. DUST MAY CAUSE LUNG DAMAGE IF INHALED ON A LONG-TERM BASIS.

Explanation of Carcinogenicity:CONTAINS CRYSTALLINE SILICA. PROLONGED

EXPOSURE TO DUST MAY CAUSE LUNG DISEASE. CLASS 2A CARCINOGEN.

Effects of Overexposure:EYE IRRITATION, SKIN CUTS/ABRASIONS, RESPIRATORY IRRITATION, LUNG DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN IF IRRITATION OCCURS. SKIN: TREAT ABRASIONS OR CUTS USING NORMAL FIRST AID PROCEDURE

RES. INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION. INGESTION: CONTACT PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO SO BY PHYSICIAN. PRODUCT IS NON-TOXIC AS SUPPLIED, BUT ITS ABRASIVE NATURE COULD DAMAGE ORGANS.

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

Flash Point:NONFLAMMABLE

Lower Limits:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:NONFLAMMABLE. USE MEDIA SUITABLE FOR SURROUNDING FIRE.

Fire Fighting

Procedures:NONFLAMMABLE. USE PROCEDURES SUITABLE FOR SURROUNDING FIRE.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:FOR BROKEN SHAPES OR FRAGMENTS, SWEEP, SHOVEL UP OR PICK UP. MINIMIZE GENERATION OF DUST DURING CLEANUP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:

SAFETY SHOES SHOULD BE WORN TO PROTECT
FEET FROM ACCIDENTALLY DROPPED BRICKS OR SHAPES.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR WHEN CUTTING OR
WHEN REMOVING THIS PRODUCT AFTER SERVICE.

Ventilation:GENERAL MECHANICAL VENTILATION IS ADEQUATE.

Protective Gloves:LEATHER GLOVES

Eye Protection:GOGGLES OR SAFETY GLASSES W/SIDE SHIELDS

Other Protective Equipment:L

ONG-SLEEVED AND LONG-LEGGED CLOTHING TO

PROTECT HANDS, ARMS AND LEGS FROM CUTS OR SKIN ABRASION.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

NIOSH APPROVED RESPIRATORS SHOULD BE WORN ANY TIME THAT REFRACTORIES
ARE TORN OUT AFTER SERVICE. WHILE SOME RESPIRATORY HAZARD AND OR
NUISANCE DUST MAY EXIST FROM THE PRODUCT ITSELF, OTHER FOREIGN SUB
STANCES MAY WARRANT ADDITIONAL PRECAUTIO

NS DURING TEAROUT AND
DISPOSAL.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NIL

Vapor Density:NIL

Spec Gravity:2.9

Evaporation Rate & Reference:NIL

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT BUFF SOLID, NO ODOR

Percent Volatiles by Volume:O

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

Stability Indicator/Materials to Avoid:YES

NONE SPECI

FIED BY MANUFACTURER.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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