

A.P.GREEN REFRACTORIES CO. -- CLIPPER DP -- 9350-00-229-4159

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

Product ID:CLIPPER DP

MSDS Date:01/01/1985

FSC:9350

NIIN:00-229-4159

MSDS Number: BDKVP

=== Responsible Party ===

Company Name:A.P.GREEN REFRACTORIES CO.

Emergency Phone Num:314-473-3226

CAGE:84446

=== Contractor Identification ===

Company Name:GREEN A P INDUSTRIES INC

Address:GREEN BLVD

Box:City:MEXIC

O

State:MO

ZIP:65265-2582

Country:US

Phone:573-473-3626

CAGE:84446

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

Ingred Name:SILICON DIOXIDE(SIO\*2)

RTECS #:VV7320000

Fraction by Wt: 53.5%

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS  
FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 42.5%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000

Fraction by Wt: 1.0%

OSHA PEL:

10 MG/M3 (FE)  
ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name:CALCIUM OXIDE  
CAS:1305-78-8  
RTECS #:EW3100000  
Fraction by Wt: 0.50%  
OSHA PEL:5 MG/M3  
ACGIH TLV:2 MG/M3; 9192

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 2.50%  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

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

Effects of Overexposure:DUST IRRITATES EYES,CAUSE BREATHING  
DISCOMFORT,CHIP FRAGMENTS IRRITATES EYES,BRICK MAY ABRABE  
HANDS.

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

Spill Release Procedures:PICKUP & PLACE IN AN APPROVED STORAGE  
CONTAINER & HAUL TO AN APPROVED STORAGE AREA.

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

Handling and Storage Precautions:AVOID BREATHING OF DUST DURING  
REFRACTORY TEAR OUT AFTER SERVICE.  
Other Precautions:THIS PRODUCT IS SHIPPED & INSTALLED IN BRICK FORM.THE  
CRISTOBALITE OF THIS PRODUCT IS PRESENT AS CRYSTALLITE INCLUS  
IONS  
IN THE BONDING GLASS.THESE CRYSTALLITES ARE NOT MECH.SEPARATE FR  
BDG.GLS

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

Respiratory Protection:AMERICAN OPTICAL R-209 N OR EQUIVALENT(CUTTING  
OF BRICK)  
Ventilation:AS REQUIRED  
Protective Gloves:HAND LEATHERS.  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:SAFETY SHOES  
Supplemental Safety and Health  
ITEM IS SUPER DUTY FIRE CLAY BRICK TYPE. THE BALANCE OF ITEM  
COMPOSITION IS OIL-0.6% MGO ;& O.5-1.

0% NAKO

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

HCC:N1

Appearance and Odor:SOLID,FIRECLAY BRICK COLOR, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

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

Waste Disposal Methods:NORMAL HOUSEKEEPING PROCEDURES SHOULD BE FOLLOWED IN THE EVENT OF BROKEN BRICK.WASTE MATERIAL MAY BE REMOVED TO AN APPROVED LANDFILL OR DUMP.

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.