

SUD-CHEMIE INC/SUB CHEMIE PERFORMANCE PACKAGING DIV -- DESI PAK PACKAGED
DESICCANT -- 6850-00-264-6562

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

Product ID:DESI PAK PACKAGED DESICCANT

MSDS Date:09/09/1999

FSC:6850

NIIN:00-264-6562

Status Code:A

MSDS Number: CLHPT

=== Responsible Party ===

Company Name:SUD-CHEMIE INC/SUB CHEMIE PERFORMANCE PACKAGING DIV

Address:926 SOUTH 8TH ST (FORMALLY HUMIDIAL)

Box:61

0

City:COLTON

State:CA

ZIP:92324-0610

Country:US

Info Phone Num:909-825-1793

Emergency Phone Num:909-825-1793

CAGE:00334

=== Contractor Identification ===

Company Name:SUD-CHEMIE INC/SUB CHEMIE PERFORMANCE PACKAGING DIV

Address:926 SOUTH 8TH ST (FORMALLY HUMIDIAL)

Box:610

City:COLTON

State:CA

ZIP:92324-0610

Country:US

Phone:909-825-1793

Contract Num:SP0450-01-M-ZE89

CAGE:00334

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

Ingred Name:MONTMORILLONITE CLAY MATERIAL

CAS:130

2-78-9
RTECS #:CT9450000
Fraction by Wt: >=99%
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

Ingred Name:SILICON DIOXIDE (CRYSTALLINE QUARTZ)
CAS:14808-60-7
RTECS #:VV7330000
< Wt:1.
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3

Ingred Name:RESPIRABLE DUST
Fraction by Wt: NOT DETECT
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.1 MG/M3

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

Reports of Carcinogenicity:NTP:NO IARC:UNKNOWN OSHA:NO
Health Hazards Acute and Chronic:THIS MATERIAL IS NORM
ALLY PACKAGED AND

CONTAINED IN A BAG. IF THE BAG IS OPEN, THE RESULTING DUST IS
CLASSIFIED A NUISANCE DUST, AND MAY CAUSE HEALTH HAZARDS WHEN
INHALED, INGESTED OR IN CONTACT WITH EYES AND SKIN. PROLONGED
INHALATION MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT
AND/OR LUNG DAMAGE. IF LARGE AMOUNTS ARE INGESTED, INTESTINAL
DISORDERS MAY OCCUR. CONTACT WITH EYE TISSUE MAY R ESULT IN
IRRITATION. PROLONGED OR REPEATED CONTACT WITH THE SKIN IN THE
ABSENCE OF PRO
PER HYGIENE MAY CAUSE IRRITATION.

Explanation of Carcinogenicity:PROLONGED OR REPEATED EXPOSURE MAY
CAUSE LUNG INJURY.

Effects of Overexposure:DESI PAK CLAY MAY CONTAIN A SMALL AMOUNT OF
CRYSTALLINE SILICA (QUARTZ). INHALATION OF CRYSTALLINE SILICA IN
THE RESPIRABLE RANGE IN EXCESS OF THE TLV MAY RESULT IN AN INCREASE
IN THE SEIOUS RESPIRATO RY DISEASE. AVOID BREATHING THE DUST. USE
NIOSH/MSHA APPROVED RESPIRATORS WHEN THE TLV FOR CRYSTALLINE SILICA
MAY BE EXCEEDED.

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First Aid Measures
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First Aid: INHALATION-REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM & AT REST. GET MEDICAL AID IMMEDIATELY. INGESTION-IF LARGE AMOUNTS HAVE BEEN INGESTED, GIVE EMETICS TO CAUSE VOMITING. STOMACH SIPHON MAY BE APPLIED AS WELL. MILK & FATTY ACIDS SHOULD BE AVOIDED. GET MEDICAL AID IMMEDIATELY. EYES-WASH EYES IMMEDIATELY & CAREFULLY FOR 30 MINS WITH RUNNING WATER, LIFTING UPPER & LOWER EYELIDS OCCASIONALLY. GET PROMPT MEDICAL AID. SKIN-AVOID REPEATED OR PROLONGED CONTACT WITH CHEMICAL, USE GOOD HYGIENIC PRACTICES. WASH WITH SOAP & WATER. GET MEDICAL AID IF IRRITATION DEVELOPS.

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Fire Fighting Measures
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Flash Point: NONFLAMMABLE
Extinguishing Media: DRY CHEMICAL, WATER SPRAY, OR FOAM. FOR LARGER FIRES, USE WATER SPRAY FOG OR FOAM.
Fire Fighting Procedures: NONFLAMMABLE SOLIDS, LIQUIDS OR GASES: COOL CONTAINERS THAT ARE EXPOSED TO FLAMES WITH WATER FROM THE SIDE UNTIL WELL AFTER FIRE IS OUT. FOR MASSIVE FIRE IN ENCLOSED AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA & LET FIRE BURN. "SEE EXPLOSION HAZARD"
Unusual Fire/Explosion Hazard: FIRE FIGHTING: WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICES OR ANY DISCOLORATION OF THE TANK DUE TO FIRE. EXPLOSION: NEGLIGIBLE FIRE AND EXPLOSION HAZARD WHEN EXPOSED TO HEAT OR FLAME BY REACTION WITH INCOMPATIBLE SUBSTANCES.

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Accidental Release Measures
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Spill Release Procedures: NOTIFY SAFETY PERSONNEL OF SPILLS OR LEAKS. CLEAN-UP PERSONNEL NEED PROTECTION AGAINST INHALATION OF DUSTS OR FUMES. EYE PROTECTION IS REQUIRED. VACUUMING AND/OR WET METHODS OF CLEANUP ARE PREFERRED. PLACE IN APPROPRIATE CONTAINERS FOR DISPOSAL, KEEPING AIRBORNE PARTICULATES AT A MINIMUM. CLAY

IS
SLIPPERY WHEN WET.

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

Handling and Storage Precautions:STORE IN A DRY, WELL-VENTILATED PLACE, BELOW 115 DEGREES F., AWAY FROM A HEAT SOURCE. KEEP IN TIGHTLY CLOSED CONTAINER. PROTECT CONTAINER FROM PHYSICAL DAMAGE. ALWAYS RESEAL CONTAINER AND PROTECTIVE MOISTURE BARRIER LINER AFTER USE.

Other Precautions:HMIS (HAZARDOUS MATERIAL IDENTIFICATION SYSTEM) FOR THIS PRODUCT IS AS FOLLOWS: HEALTH HAZARD: 0; FLAM

MABILITY: 0;

REACTIVITY: 0; PERSONAL PROTECTION: HMIS ASSIGNS CHOICE OF PERSONAL PROTECTIVE EQUIPMENT TO THE CUSTOMER, AS THE RAW MATERIAL SUPPLIER IS UNFAMILIAR WITH THE CONDITIONS OF USE.

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

Respiratory Protection:PROVIDE A NIOSH/MSHA JOINTLY APPROVED RESPIRATOR IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROL. CONTACT YOUR SAFETY EQUIPMENT SUPPLIER FOR PROPER MASK TYPE.

Ventilation:PROVIDE GENERAL/LOCAL EXHAUST VENTILATION TO KEEP EXPOSURES

BELOW THE TLV. VENTILATION USED MUST BE DESIGNED TO PREVENT DUST ACCUMULATION OR RECYCLING.

Protective Gloves:RECOMMENDED.

Eye Protection:CHEMICAL SPLASH GOGGLES DESIGNED IN COMPLIANCE WITH OSHA REGULATIONS.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING, INCLUDING LONG SLEEVES AND GLOVES, TO PREVENT REPEATED OR PROLONGED SKIN CONTACT.

Work Hygienic Practices:CONSULT YOUR SAFETY EQUIPMENT SUPPLIER.

Supplemental Safety and Health

TRADE NAME:

DESI PAK. CHEMICAL FAMILY: CLAY MINERAL. CHEMICAL NAMES & SYNONYMS: MONTMORILLONITE CLAY MINERAL, SMECTITIE CLAY MINERAL, BENTONITE, CALCIUM ALUMINOSILICATE. **NFPA/HMIS: HEALTH=0, FIRE=0, REACTIVITY=0.

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

HCC:N1

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY GRANULES. NO ODOR.

Percent Volatiles by Volume: