

HERAEUS KULZER INC -- 46578, DIE-KEEN -- 6520-01-190-4412

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

Product ID:46578, DIE-KEEN

MSDS Date:01/18/1996

FSC:6520

NIIN:01-190-4412

Status Code:A

MSDS Number: CLJNW

=== Responsible Party ===

Company Name:HERAEUS KULZER INC

Address:4315 S LAFAYETTE BLVD

City:SOUTH BEND

State:IN

ZIP:46614-2517

Country:US

Info Phone Num:219-291-0661

Emergency Phone Num:219-291-0661

Resp. Party Other MSDS Num.:M001

Chemtrec Ind/Phone:(800)424-930

0

CAGE:95551

=== Contractor Identification ===

Company Name:HERAEUS KULZER INC

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Box:City:SOUTH BEND

State:IN

ZIP:46614-2517

Country:US

Phone:219-291-0661

CAGE:95551

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

Ingred Name:CALCIUM SULFATE

CAS:7778-18-9

RTECS #:WS6920000

Minumum % Wt:90.

Maxumum % Wt:100.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9495

===== Hazards Identification ===

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LD50 LC50 Mixture:NO DATA PROVIDED BY MANUFACTURER  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:UNKNOWN IARC:NO  
Health Hazards Acute and Chronic:ACUTE: EYES-PARTICLES MAY CAUSE IRRITATION. MIXED MATERIAL MAY DEVELOP ENOUGH HEAT TO CAUSE BURNS IF LARGE AMOUNT COME IN CONTACT WITH SKIN DURING HARDENING. CHONIC, OTHER: PROLONGED EXPOSURE MAY CAU SE LUNG DISEASE.  
Explanation of Carcinogenicity:NONE OF THE CHEMICALS ARE LIST ED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY IARC.  
Effects of Overexposure:PARTICLES MAY CAUSE IRRITATION. MIXED MATERIALS MAY DEVELOP ENOUGH HEAT TO CAUSE BURNS IF LARGE AMOUNTS COME INTO CONTACT WITH SKIN DURING HARDENING.  
Medical Cond Aggravated by Exposure:PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS BUT NOT LIMITED TO, BRONCHITIS, EMPHYSEMA AND ASTHMA.

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

First Aid:SKIN-WASH PROMPTLY WITH WAT ER. IF IRRITATION OCCURS, CONTACT PHYSICIAN. INGESTION-PRODUCT MAY HARDEN ON CONTACT WITH WATER. MAY RESULT IN OBSTRUCTION IF INGESTED. SEE PHYSICIAN. EYES-REMOVE CONTACT LE NSES. RINSE EYES WITH PLENTY OF RUNNING WATER FOR 10-15 MINUTES, INCLUDING UNDER EYELIDS. IF IRRITATION OCCURS, CONTACT PHYSICIAN. INHALATION: REMOVE TO FRESH AIR.

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

Extinguishing Media:NON-COMBUSTIBLE MATERIALS.  
Fire Fighting Procedures :NONE.  
Unusual Fire/Explosion Hazard:NONE KNOWN

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

Spill Release Procedures:SWEEP OR VACUUM SPILLED MATERIAL INTO A WASTE CONTAINER FOR DISPOSAL. AVOID CREATING EXCESSIVE DUST.  
Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER

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

Handling and Storage Precautions:BE SURE PROPER VENTILATION AND RESPIRATORY AND EYE PROTECTION ARE USED UNDER DUSTING CONDITIO

NS.  
Other Precautions:NO DATA PROVIDED BY MANUFACTURER

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

Respiratory Protection:WEAR NIOSH APPROVED RESPIRATOR AS APPROPRIATE FOR  
NUISANCE DUST, ESPECIALLY WHEN DRY GRINDING. EXCESSIVE PARTICULATE  
IN THE WORK PLACE SHOULD BE AVOIDED. WET GRINDERS SHOULD BE USED.  
Ventilation:PROVIDE GENERAL VENTILATION AND LOCAL EXHAUST TO MEET TLV  
REQUIREMENTS.  
Protective Gloves:YES.  
Eye Protection:YES.  
Other Protective Equipment:NONE

Work Hygienic Practices:WEAR A MASK WHILE EXPOSED TO DUST.  
Supplemental Safety and Health  
NO DATA PROVIDED BY MANUFACTURER

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

HCC:T6  
Boiling Pt:B.P. Text:NA  
Vapor Pres:MMHG: NA  
Vapor Density:(AIR=1):NA  
Spec Gravity:(H2O=1):2.3  
pH:NA  
Evaporation Rate & Reference:(ETHER=1): NA  
Solubility in Water:SLIGHT, 0.2% @ 40C  
Appearance and Odor:FINE POWDER IN VARIOUS COLORS - LOW ODOR

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

Stability Indicator/Materials to Avoid:YES  
ACIDS.  
Stability Condition to Avoid:NONE.  
Hazardous Decomposition Products:NONE.  
Conditions to Avoid Polymerization:WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information:OSHA PERMISSABLE EXPOSURE LIMIT: NONE. ACGIH  
THRESHOLD EXPOSURE LIMIT: NONE. OTHER EXPOSURE LIMIT: NONE.

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY M

ANUFACTURER

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:NO DATA PROVIDED BY MANUFACTURER

===== Regulatory Information =====

SARA Title III Information:DIE KEEN GREEN AND BLUE CONTAIN CHROMIUM III  
COMPOUND AT 0.17-0.25%. THIS CHROMIUM COMPOUND  
AS CHROMIUM IS  
CONSIDERED TO BE TOXIC AND SUBJECT TO SARA TITLE III, SECTION 311,  
312 AND 313.

Federal Regulatory Information:NO DATA PROVIDED BY MANUFACTURER  
State Regulatory Information:NO DATA PROVIDED BY MANUFACTURER

===== Other Information =====

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