

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:219-291-06  
61  
Resp. Party Other MSDS Num.:M001  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:95551

=== Contractor Identification ===

Company Name:HERAEUS KULZER INC  
Address:4315 S LAFAYETTE BLVD  
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

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

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 DIS EASE.  
Explanation of Carcinogenicity:NONE OF THE CHEMICALS ARE LISTED 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.

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===== First Aid Measu res =====

First Aid:SKIN-WASH PROMPTLY WITH WATER. 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.

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

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

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===== 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

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

Handling and Storage Precautions:BE SURE PROPER VENTILATION AND

RESPIRATORY AND EYE PROTECTION ARE USED UNDER DUSTING CONDITIONS.  
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.

Protect

ive 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 CO

LORS - 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 I

nformation =====

Ecological:NO DATA PROVIDED BY MANUFACTURER

===== 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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