

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)424-9300
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/M3

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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 DISEAS

E.
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 Measures =====

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 =====

Extingu
ishing 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

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===== 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

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===== 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 COLOR

S - LOW ODOR

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===== 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

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

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

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===== Ecological Info

rmation =====

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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