

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

===== 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.

===== 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.

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

Extingu
ishing 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 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.

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 COLOR

S - 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 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 =====

=====

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.