

ENGELHARD CORP., CHEMICAL CATALYSTS GROUP -- DESICCITE 25 -- 6850-00-264-6564
===== Product Identification =====

Product ID:DESICCITE 25
MSDS Date:06/08/1998
FSC:6850
NIIN:00-264-6564
MSDS Number: CHQHP
=== Responsible Party ===
Company Name:ENGELHARD CORP., CHEMICAL CATALYSTS GROUP
Address:600 E. MCDOWELL ROAD
City:JACKSON
State:MS
ZIP:39204
Country:US
Info Phone Num:800-458-8650/654-4039
Emerge
ncy Phone Num:800-458-8650
Resp. Party Other MSDS Num.:CODE J96001
Chemtrec Ind/Phone:(800)424-9300
CAGE:0NH81
=== Contractor Identification ===
Company Name:ENGELHARD CORP
Address:600 E. MCDOWELL ROAD
Box:City:JACKSON
State:MS
ZIP:39204
Country:US
Phone:800-458-6850 / 601-948-3966
Contract Num:SP0450-00-M-D452
CAGE:0NH81

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

Ingred Name:SILICA, CRYSTALLINE - QUARTZ
CAS:14808-60-7
RTECS #:VV7330000
Minumum % Wt:1.
Maxumum % Wt:3.

Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3 RDUST;9596

Ingred Name:ALUMINUM SILICATE
CAS:12141-46-7
= Wt:97.

Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3(AS AL DUST)
ACGIH TLV:10 MG/M3(AS AL DUST)

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chro

nic:EYES CONTACT: MAY CAUSE MECHANICAL

IRRITATION IF EXPOSED TO LARGE AMOUNTS OF DUST. SKIN CONTACT: MAY CAUSE IRRITATION DUE TO MECHANICAL ABRASION. INHALATION: CAUSES IRRITATION OF THE RESPIRATORY TRAC T AND MAY CAUSE DISABLING, PROGRESSIVE PULMONARY FIBROSIS (SILICOSIS) DUE TO CRYSTALLINE SILICA (QUARTZ). INGESTION: NO ADVERSE EFFECTS EXPECTED.

Explanation of Carcinogenicity:CONTAINS CRYSTALLINE SILICA

(QUARTZ).CRYSTALLINE SILICA IS LISTED BY NTP AS A CONFIRMED ANIMAL

CARCINOGEN. THE IARC HAS DETERMINED THAT THERE IS SUFFICIENT EVIDENCE OF CARCINOGENICITY IN BOTH HUMANS A ND EXPERIMENTAL ANIMALS FOR INHALED CRYSTALLINE SILICA IN FORM OF QUARTZ OR CRYSTOBALITE (GROUP 1).

Effects of Overexposure:SYMPTOMS INCLUDE COUGH, DYSPNEA, WHEEZING, AND IMPAIRMENT OF PULMONARY FINCTION. PROGRESSION OF SYMPTOMS CAN CONTINUE AFTER DUST EXPOSURE CEASES.

Medical Cond Aggravated by Exposure: MAY AGGRAVATE EXISTING MEDICAL CONDITIONS SUCH AS RESPIRAT ORY AILMENTS.

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

First Aid:EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER. IF IRRITATION DEVELOPS, CALL A PHYSICIAN. SKIN CONTACT: PROCEDURES NORMALLY NOT NEEDED. IF SKIN CONTACT OCCURS FLUSH WITH PLENTY OF WATER. IF IRRITATION D EVELOPS, CALL A PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. CALL A PHYSICIAN. INGESTION: PROCEDURES

NORMALLY NOT NEEDED . IF LARGE QUANTITIES ARE INGESTED, SEEK MEDICAL ADVICE.

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

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED POSITIVE-PRESSURE SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING AS SPECIFIED IN 29 CFR 1910.156

Unusual Fire/Explos

ion Hazard:NOT A FIRE OR EXPLOSION HAZARD.

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

Spill Release Procedures:CONTAIN SPILLAGE AND SCOOP UP OR VACUUM. AVOID DUSTING. IT IS RECOMMENDED THAT EACH USER ESTABLISH A SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN (SPCC). SUCH PLAN SHOULD INCLUDE PROCEDURES APPLI CABLE TO PROPER STORAGE, CONTROL AND CLEAN-UP OF SPILLS, INCLUDING REUSE OR DISPOSAL AS APPROPRIATE. PROPER EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT SHOULD BE USED.

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

Handling and Storage Precautions:STORE IN COOL, DRY LOCATION AWAY FROM INCOMPATIBLE MATERIALS. USE DUSTLESS SYSTEMS FOR HANDLING, STORAGE. CLEAN UP SO AIRBORNE DUST DOES NOT EXCEED PEL. USE ADEQUATE VENTILATION AND DUST COLLECTION. K EEP CONTAINER CLOSED. PRACTICE GOOD HOUSEKEEPING.

Other Precautions:PRACTICE GOOD HOUSEKEEPING. DO NOT PERMIT DUST TO COLLECT ON WALLS, FL

OORS, SILLS, LEDGES, MACHINERY, OR EQUIPMENT.

MAINTAIN, CLEAN AND FIT TEST RESPIRATORS IN ACCORDANCE WITH OSHA REGULATIONS. MAINTA IN AND TEST VENTILATION AND DUST COLLECTION EQUIPMENT. WASH OR VACUUM CLOTHING WHICH HAS BECOME DUST Y.

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

Respiratory Protection:A NIOSH/MSHA-APPROVED RESPIRATOR IS RECOMMENDED IF DUST IS GENERATED. IF RESPIRATORY PROTECTION IS USED, FOLLOW ALL REQUIREMENTS FOR RESPIRATORY PROGRAM

S SET FORTH IN OSHA REGULATIONS

(29 CFR 1910.139)

Ventilation:GENERAL: LOCAL EXHAUST VENTILATION AS NECESSARY TO CONTROL ANY AIR CONTAMINANTS TO WITHIN THEIR PEL OR TLV'S DURING THE USE OF THIS PRODUCT.

Protective Gloves:GLOVES.

Eye Protection:SAFETY GLASSES (WITH SIDE SHIELDS).

Other Protective Equipment:LONG SLEEVE WORK CLOTHING, EYE WASH FOUNTAIN, WASHING FACILITY.

Work Hygienic Practices:WASH THOROUGHLY BEFORE EATING, DRINKING OR SMOKING. VACUUM UP ANY DUST. LAUNDRY CLOTHING BEFORE REUSE.

Supplemental Safety and Health

THE RESPIRABLE FRACTION OF CRYSTALLINE SILICA QUARTZ IS ONLY 0.1 - 0.115 %, PER MSDS.

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

HCC:N1

Vapor Density:NOT APPLIC

Spec Gravity:2.4 (H₂O=1)

pH:6 TO 9 (SLURRY)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:GREY TO OFF-WHITE GRANULES; ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

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LI, STRONG OXIDIZERS.

Stability Condition to Avoid:GENERALLY CONSIDERED STABLE. AVOID: NONE EXPECTED.

Hazardous Decomposition Products:NONE EXPECTED.

Conditions to Avoid Polymerization:POLYMERIZATION IS NOT EXPECTED TO OCCUR.

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

Toxicological Information:SILICA, CRYSTALLINE (QUARTZ) CAS NO.:

14808-60-7, PEL-OSHA 0.1 MG/M³ (RESPIRABLE DUST);TLV-ACGIH 0.1

MG/M³ (RESPIRABLE DUST). ALUMINUM SILICATE CAS NO.: 12141-46-

PEL-OSHA 15 MG/M3 (AS AL, DUST) 5 MG /M3 (AS AL, RESPIRABLE FRACTION), TLV-ACGIH 10 MG/M3 (AS AL, DUST). ALL VALUES ARE REPORTED AS 8-HR TWA AND TOTAL DUST (PARTICULATES ONLY). ALL ACGIH TLVS REFER TO 1997 STANDARDS. ALL OSHA PELS REFER TO 29 CFR 1910, AIR CONTAMINANTS: FINAL RULE, JAN 19,1989. AS RESULT OF JULY 7, 1992 DECISION BY U.S. CIRCUIT COURT OF APPEALS TO VACATE 1989 PELS, OSHA WILL NO LONGER ENFORCE THESE NEW LIMITS AND WILL RETURN TO THE PRE-1989 P

ELS.)

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Ecological Information
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Ecological:NO DATA AVAILABLE. ENVIRONMENTAL FATE: NO DATA AVAILABLE.
U.S. EPA WASTE NUMBER: NOT REGULATED.

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Disposal Considerations
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Waste Disposal Methods:LOCAL REGULATIONS MAY VARY; ALL WASTE MUST BE DISPOSED IN ACCORDANCE WITH FEDERAL, STATE, LOCAL ENVIRONMENTAL CONTROL REGULATIONS. ALL WASTE SHOULD BE REVIEWED TO DETERMINE APPLICABLE HAZARDS (TESTIN G MAY BE NECESSARY). DISPOSAL REQUIREMENTS DEPENDENT ON HAZARD CLASSIFICATION AND WILL VARY BY LOCAT ION AND TYPE OF DISPOSAL SELECTED.

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MSDS Transport Information
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Transport Information:INTERNATIONAL: NOT REGULATED. DOT CLASSIFICATION: NOT REGULATED. U.S WASTE NUMBER: NOT REGULATED. CANADA: NOT REGULATED. CANADA: TDG CLASS: NOT REGULATED. EC: DGL: NOT REGULATED.

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Regulatory Information
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SARA Ti

tle III Information:SARA 311 AND 312 HAZARD CATEGORIES:

IMMEDIATE (ACUTE) HEALTH HAZARD: NO; DELAYED (CHRONIC) HEALTH HAZARD: YES; FIRE HAZARD: NO; REACTIVITY HAZARD: NO; SUDDEN RELEASE OF PRESSURE: NO. SARA SECTION 313 NOTIFICATION: THIS PRODUCT DOES NOT CONTAIN TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE I I I OF THE SARA OF 1986 AND 40 CFR PART 372.

Federal Regulatory Information:TSCA: IN TSCA. OZONE DEPLETING SUBSTANCES (ODS): THIS PR

PRODUCT NEITHER CONTAINS NOR IS MANUFACTURED
WITH AN OZONE DEPLETING SUBSTANCE SUBJECT TO THE LABELLING
REQUIREMENTS OF THE CLEAN AIR ACT AMENDMENTS 1990 AND 40 CFR PART
82.

State Regulatory Information:WARNING: THIS PRODUCT CONTAINS CHEMICALS
KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

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

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assume responsibility for the suitability of this information to their
particular situation.