SIGMA CHEMICAL CO -- CHARCOAL, ACTIVATED UNTREATED, GRANULAR, C3014 -- 6810-00N063892

----------------- Product Identification ----------------

Product ID: CHARCOAL, ACTIVATED UNTREATED, GRANULAR, C3014
MSDS Date: 11/10/1994
FSC: 6810
NIIN: 00N063892
MSDS Number: BZJWC

--- Responsible Party ---
Company Name: SIGMA CHEMICAL CO
Box: 14508
City: ST LOUIS
State: MO
ZIP: 63178
Country: US
Info Phone Num: 800-325-3010
Emergency Phone Num: 314-771-5765
CAGE: 0DK69

--- Contractor Identification ---
Company Name: SIGMA CHEMICAL CO SIGMA DIAGNOSTICS DIV
Address: 3050 SPRUCE ST
Box: City: ST LOUIS
State: MO
ZIP: 63103-2530
Country: US
Phone: 314-771-5765
CAGE: 0DK69

-------------------- Composition/Information on Ingredients --------------------

Ingred Name: CARBON; (CHARCOAL, ACTIVATED UNTREATED, GRANULAR) (MFR CAS# 64365-11-3)
CAS: 7440-44-0
RTECS #: FF5250100
OSHA PEL: N/K
ACGIH TLV: N/K

Ingred Name: SILICA, CRYSSTALLINE - QUARTZ
CAS: 14808-60-7
RTECS #: VV7330000
OSHA PEL: SEE TABLE 2-3
ACGIH TLV: 0.1 MG/M3 RUST

Ingred Name: SUPP DATA: RESULT IN DEATH DUE TO CARDiac
FAILURE/DESTRUCTION OF LUNG TISSUE. TARGET ORGANS: LUNGS. EFTS ON
(ING 4)
RTECS #: 99999999ZZ

Ingred Name: ING 3: FERTILITY (POST-IMPLANTATION MORTALITY) ONLY
SELECTED REGISTRY OF TOXIC EFTS OF CHEMICAL SUBSTANCES (RTECS) (ING 5)
RTECS #: 99999999ZZ

Ingred Name: ING 4: DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS
FOR COMPLETE INFO.
RTECS #: 99999999ZZ

Ingred Name: EXPLAN OF CARCIN: 1994: ANTICIPATED TO BE CARCINOGEN.
RTECS #: 99999999ZZ

-------------------- Hazards Identification --------------------

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: YES IARC: YES OSHA: NO
Health Hazards Acute and Chronic: ACUTE: HARMFUL IF INHAL/INGEST/ABSORBED THRU SKIN. CAUSES EYE & SKIN IRRIT. MATL IS IRRIT TO MUCOUS MEMBRANES & UPPER RESP TRACT. CHRONIC: TO THE BEST OF MFR KNOWLEDGE, THE CHEMICAL, PHYSICAL, & TOXIC OLOGICAL PROPERTIES HAVE NOT BEEN THOROINVESTIGATED. PRN MSD INHAL OF CRYSTALLINE SILICA MAY RESULT IN (EPTS OF OVEREXP)
Explanation of Carcinogenicity: SILICA, CRYSTALLINE-QUARTZ; IARC MONO, SUPP. VOL 7, PG 341, 1987: GROUP 2A. NTP 7TH ANNUAL REPORT ON CARCIN, (ING 6)
Effects of Overexposure: HLTH HAZ: SILICOSIS, A DISABLING PULM FIBROSIS CHARACT BY FIBROITIC CHANGES & MILIARY NODULES IN LUNGS, A DRY CHUG, SHORTNESS OF BRETH, EMPHYSMA, DECREASED CHEST EXPANSION & INCREASED SUSCEPTIBILITY TO TUBERCULOSIS. IN ADVANCED STAGES, LOSS OF APPETITE, PLEURITIC PAIN, & TOTAL INCAPACITY TO WORK. ADVANCED (SUPDAT)
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid Measures

First Aid: EYES/SKIN: IMMED FLUSH EYES/SKIN W/COPIOUS AMTS OF WATER FOR AT LEAST 15 MINS WHILE REMOVING CONTAM CLTHG & SHOES. INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTH IS DFCIT, GIVE 02. INGEST: WASH OUT MOUTH W/WATER PROVIDED PERSON IS CONSCIOUS. WASH CONTAM CLTHG BEFORE REUSE.

Fire Fighting Measures

Extinguishing Media: NONCOMBUSTIBLE. USE EXTING MEDIA APPROP TO SURROUNDING FIRE CONDITIONS.
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard: EMITS TOXIC FUMES UNDER FIRE CONDITIONS. THIS MATL, LIKE MOST MATLS IN POWDER FORM, IS CAPABLE OF CREATING A DUST EXPLOSION.

Accidental Release Measures

Spill Release Procedures: WEAR NIOSH/MSHA APPROVED SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN BAG & HOLD FOR WASTE DISP. AVOID RAIISING DUST. VENT AREA & WASH SPILL SITE AFTER MATL PICKUP IS COMPLETE.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions: KEEP TIGHTLY CLOSED. STORE IN A COOL DRY PLACE.
Other Precautions: DO NOT BREATHE DUST. AVOID CONTACT W/EYES, SKIN & CLTHG. HARMFUL SOLID. IRRITANT.

Exposure Controls/Personal Protection

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATORY IN NONVENTILATED AREAS & FOR EXPOSURE ABOVE ACGIH TLV.
Ventilation: MECHANICAL EXHAUST REQUIRED.
Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS.
Other Protective Equipment: EMERGENCY EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
MATL TO AVOID: SODIUM BOROHYDRIDE, PRDCG A SELF HEATING RXN THAT MAY RSLT IN IGNIT OF CHARCOAL & IN PRODUCTION OF HYDROGEN THRU THERM DECOMP OF SODIUM BOROHYDRIDE. THE SPONT COMBUST IN AIR OCCURS AT 900-1000. THE PRESENCE OF MOISTURE IN AIRCAUSES IGNITION TO OCCUR MORE READILY. EPTS OF OVEREXP: SILICOSIS MAY (ING 3)
Physical/Chemical Properties

Vapor Pres:<0.1 @ 20C
Appearance and Odor:SOLID.

Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS. MIXING SOLID SODIUM BOROHYDRIDE W/CHARCOAL (ACTIVATED CARBON) IN AIR PROMOTES OXIDATION OF (SUPDAT)
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:TOXIC FUMES OF : CARBON MONOXIDE, CARBON DIOXIDE.

Disposal Considerations

Waste Disposal Methods: BURY IN A LANDFILL SITE APPROVED FOR DISPOSAL OF CHEMICAL AND HAZARDOUS WASTE. OBSERVE ALL FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS.

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