

UCAR CARBON CO INC -- GRAFOIL -- 5330-01-373-7885

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Product Identification  
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Product ID:GRAFOIL

MSDS Date:10/20/1992

FSC:5330

NIIN:01-373-7885

MSDS Number: BVNJJ

=== Responsible Party ===

Company Name:UCAR CARBON CO INC

Address:39 OLD RIDGEBURY RD

City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Info Phone Num:800-822-4357

Emergency Phone Num:800-822-4357

CAGE:42451

=== Contractor Identifi

cation ===

Company Name:UCAR CARBON CO INC SUB OF UNION CARBIDE CORP

Address:12900 SNOW RD

Box:City:PARMA

State:OH

ZIP:44130-1012

Country:US

Phone:216-676-2000

CAGE:42451

Company Name:UNION CARBIDE CORP

Address:39 OLD RIDGEBURY ROAD

Box:City:DANBURY

State:CT

ZIP:06817-0001

Country:US

Phone:800-822-4357/732-563-5522 (MSDS)

CAGE:61637

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Composition/Information on Ingredients  
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Ingred Name:GRAPHITE; (NATURAL GRAPHITE)

CAS:7782-42-5

RTECS #:MD9659600

Fraction by Wt: 100%

OSHA PEL:15 MPPCF  
ACGIH TLV:2 MG/M3 RDUST

Inged Name:SUPP DATA:SEWERS, GROUNDWATER OR SOIL. RELEASES MAY BE REPORTABLE TO LOCAL, STATE OR FEDERAL AUTHORITIES.  
RTECS #:9999999ZZ

Inged Name:OTHER PREC:UP ANY SPILLS THAT MAY OCCUR. ANY DUSTS GENERATED DURING HNDLG/PROCESSING SHOULD BE CLEANED UP BY WET (ING 4)  
RTECS #:9999999ZZ

Inged Name:ING 3:MOPPING/VACUUMING W/UNIT WHICH CONTAINS HEPA FILTER. DRY SWEEPING CAN RESUSPEND PARTICULATE MATTER IN ATM. (ING 5)  
RTECS #:9999999ZZ

Inged Name:ING 4:GRAPHITE DUSTS ARE ELEC CONDUCTIVE. ACCUMS OF DUST MAY CAUSE SHORTING OF ELEC CIRCUITS. CARE SHOULD BE (ING 6)  
RTECS #:9999999ZZ

Inged Name:ING 5:TAKEN TO SEAL ELEC CIRCUITS & SWITCHES THAT MAY BE AFFECTED. DUSTS SHOULD NOT BE EMITTED TO ATM WHERE THEY (ING 7)  
RTECS #:9999999ZZ

Inged Name:ING 6:MAY SETTLE ON & CAUSE SHORTING OF OUTSIDE ELECTRICAL EQUIPMENT.  
RTECS #:9999999ZZ

Inged Name:RESP PROT:HYGIENIST/YOUR RESP PROT EQUIP SUPPLIER FOR SELECTION OF PROP ER EQUIP. EVAL OF NEED FOR RESP PROT (ING 9)  
RTECS #:9999999ZZ

Inged Name:ING 8:SHOULD BE DETERMINED BY A PROFESSIONAL INDUSTRIAL HYGIENIST.  
RTECS #:9999999ZZ

Inged Name:VENT:DESIGN DETAILS FOR LOC EXHST VENT SYS MAY BE FOUND IN LATEST EDITION OF "INDUS VENT:MANUAL OF REC PRACTS" (ING 11)  
RTECS #:9999999ZZ

Inged Name:ING 10:PUBLISHED BY ACGIH COMMITTEE ON INDUS VENT, P.O. BOX 16153, LANSING, MI 48910. NEED FOR LOC EXHST VENT (ING 12)  
RTECS #:9999999ZZ

Inged Name:ING 11:SHOULD

BE EVALUATED BY PROFESSIONAL INDUSTRIAL  
HYGIENIST. LOC EXHST VENT SYS SHOULD BE DESIGNED BY (ING 13)  
RTECS #:9999999ZZ

Ingred Name:ING 12:PROFESSIONAL ENGINEER.  
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:HIGH CONCENTRATIONS OF GRAPHITE  
DUSTS MAY BE IRRITATING TO EYES, SKIN, MUCOUS MEMBRANES &  
RESPIRATORY TRACT. CHRONIC:INHALATION OF HIGH CONCENTRATIONS OF  
GRAPHITE DUSTS OVER PROLONGED PERIODS OF TIME MAY CAUSE GRAPHITE  
PNEUMOCONIOSIS. SYMPTOMS CAN INCLUDE COUGH, SHORTNESS OF BREATH &  
DECREASE IN (EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ:PULMONARY FUNCTION.  
Medical Cond Aggravated by Exposure:PREEXISTING PULMONARY DISORDERS  
SUCH AS EMPHYSEMA MAY POSSIBLY BE AGGRAVATED BY PROLONGED EXPOSURE  
TO HIGH CONCENTRATIONS OF GRAPHITE DUSTS.

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

First Aid:INHAL:REMOVE EXPOS PERS TO FRESH AIR. IF BRTHG IS DFCLT,  
OXYGEN MAY BE ADMIN. IF BRTHG HAS STOPPED, ARTF RESP SHOULD BE  
STARTED IMMED. SEEK MED ATTN. EYE:FLUSH W/WATER FOR AT LST 15 MINS.  
SEEK MED ATT N IF IRRIT DEVELOPS/PERSISTS. SKIN:WASH THORO W/MILD  
SOAP & WATER. SEEK MED ATTN IF IRRIT DEVELOPS/PERSISTS. DERM SHOULD  
BE TREATED SYMPTOMATICALLY BY MD. INGEST:GIVE 2 GLASSES OF WATER &  
(SUPP DATA)

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

Extinguishing Media:BULK MATERIAL IS NON-COMBUSTIBLE. DUSTS ARE  
COMBUSTIBLE - USE WATER, CARBON DIOXIDE, DRY CHEMICAL OR FOAM.  
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT . MATERIAL IN OR NEAR FIRES SHOULD BE COOLED W/WATER  
SPRAY OR FOG.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:SPILLED/RELS MATL SHOULD BE PICKED UP W/SUITABLE IMPLEMENT & RETURNED TO ORIGINAL CNTNR IF REUSABLE. IF NOT REUSABLE, MATL SHOULD BE PLACED IN DOT APPRVD CNTNRS FOR DISP. PERS INVOLVED IN CLEANUP SHOU LD WEAR APPROP PERSONAL PROT EQUIP. UNAUTH(SUPDAT)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage

Precautions:ALL CHEMS SHOULD BE HNDLD SO AS TO PVNT EYE CONT & EXCESSIVE/RPTD SKIN CONT. APPROP EYE & SKIN PROT SHOULD BE EMPLOYED.

Other Precautions:INHAL OF DUSTS & VAPS SHOULD BE AVOIDED. STORE IN LABELED, CLSD CNTNRS AWAY FROM HEAT, SPKS, OPEN FLAMES & OTHER SOURCES OF IGNIT. DO NOT STORE WITH/NEAR INCOMPAT CHEMS. DO NOT LET CNTNRS OF MATL ACCU M IN WORKPLACE. PROMPTLY CLEAN (ING 3)

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

Respiratory Protection

IF EXPOS EXCEED LIMS BY LESS THAN FACTOR OF 10, USE MIN NIOSH/MSHA APPRVD 1/2 FACEPIECE RESP EQUIPPED W/CARTRIDGES FOR PARTICULATE MATTER W/EXPOS LIM OF NOT 5000F,>2760C. % VOLAT:NON-VOLAT. HAZ

DECOMP PROD:HAS NOT BEEN

CHARACT. THESE WOULD BE EXPECTED ONLY DURING EMER CNDTNS. FIRST AID PROC:INDUCE VOMIT. NEVER GIVE ANYTHING BY MOUTH TO UNCON PERS. SEE K MED ATTN. SPILL PROC:PERS SHOULD BE KEPT CLEAR OF AREA OF SPILLS/RELS. DO NOT ALLOW MATL TO ENTER STORM/SANIT (ING 2

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

Melt/Freeze Pt:M.P/F.P Text:SUPP DATA

Spec Gravity:0.3-1.8

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BLACK, FLEXIBLE SHEET, SHAPES; NO ODOR.

Percent Volatiles by Volume:SUPDAT

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT W/STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE THAT ARE KNOWN.

Hazardous Decomposition Products:THERM

AL DECOMP/COMBUST MAY PRDCE DENSE  
SMOKE, OXIDES OF CARBON & LOW MOLECULAR WT ORG CMPDS WHOSE  
COMPOSITION (SUPDAT)

===== Disposal Considerations =====

Waste Disposal Methods: MATERIAL SHOULD BE DISPOSED OF I/A/W ALL  
APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS. DISPOSAL IN AN EPA  
APPROVED LANDFILL IS RECOMMENDED.

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