

CALGON CARBON CORP -- ASC ACTIVATED CARBON (#D5-3-1500, MODEL C2 CAN) --
4240-01-119-2315

===== Product Identification =====

Product ID:ASC ACTIVATED CARBON (#D5-3-1500, MODEL C2 CAN)

MSDS Date:10/01/1989

FSC:4240

NIIN:01-119-2315

MSDS Number: BPZTW

=== Responsible Party ===

Company Name:CALGON CARBON CORP

Address:400 MEDIA DR

City:PITTSBURGH

State:PA

ZIP:15205-1133

Country:US

Info Phone Num:412-

787-6700

Emergency Phone Num:412-787-6700

Preparer's Name:D.E.KUBEIDIS

CAGE:1DA66

=== Contractor Identification ===

Company Name:CALGON CARBON CORPORATION

Address:400 CALGON CARBON DR

Box:717

City:PITTSBURGH

State:PA

ZIP:15230-0717

Country:US

Phone:412-787-6700

CAGE:1DA66

Company Name:MINE SAFETY APPLIANCES CO DBA MSA

Address:3880 MEADOWBROOK RD

Box:City:MURRYSVILLE

State:PA

ZIP:15668-1753

Country:US

Phone:724-733-9272

CAGE:55799

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

===

Ingred Name:CARBON/ACTIVATED CARBON
CAS:7440-44-0
RTECS #:FF5250100
Fraction by Wt: 88%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:COPPER (SARA III). OSHA PEL & ACGIH TLV ARE 1 MG/M3 FOR
COPPER DUST & MISTS.
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: 8%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3 FUME
ACGIH TLV:0.2 MG/M3 FUME
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CHROMIC ACID. CEILING FOR CHROM A
CID AND CRO3 IS 0.1
MG/M3
CAS:1333-82-0
RTECS #:GB6650000
Fraction by Wt: 3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG CR/M3
ACGIH TLV:0.05 MG CR/M3

Ingred Name:SILVER (SARA III)
CAS:7440-22-4
RTECS #:VW3500000
Fraction by Wt: 10 G/KG.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:DUST MAY CAUSE EYE IRRITATION.
NON-TOXIC BY INHALATION, SKIN CONTACT AND INGESTION. THE EFFECTS OF

LONG-TERM, LOW-LEVEL EXPOSURE TO THIS PRODUCT HAVE NOT BEEN DETERMINED. SAFE HANDLING OF THE MATERIAL ON A LONG-TERM BASIS SHOULD EMPHASIZE THE AVOIDANCE OF ALL EFFECTS FROM REPETITIVE ACUTE EXPOSURES.

Explanation of Carcinogenicity:CHROMIUM(VI) & IT'S CERTAIN CMP'DS ARE KNOWN HUMAN AND ANIMAL CARCINOGENS AS LISTED BY NTP AND IARC.

Effects of Overexposure:EYE IRRITATION.

Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:FIRST AID-INHALATION OF DUST, REMOVE TO FRESH AIR. EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. IF REDNESS OR IRRITATION PERSIST CONTACT A DOCTOR. SKIN:WASH WITH SOAP AND WATER. INGESTION: CONSULT A DOCTOR.

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

Lower Limits:NOT KNOWN

Upper Limits:NOT KNOWN

Extinguishing Media:IF INVOLVED IN FIRE, FLOOD WITH PLENTY OF WATER.

Fire Fighting Procedures:NONE

Unusual Fire/Explosion Hazard:CONTACT WITH ST

RONG OXIDIZERS MAY RESULT

IN FIRE. DUE TO THE METALS ON THE CARBON, THIS CATALYTIC REACTION IS ACCELERATED FOR THE ASC DUST OR FINES.

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

Spill Release Procedures:SWEEP UP UNUSED CARBON AND TRANSFER TO PLASTIC BAGS OR CONTAINERS. WEAR GLOVES AND DUST MASK. DO NOT CREATE DUST. REMOVE RESIDUE BY VACUUMING OR WET SWEEPING.

Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:ASC PRODUCT DUST OR FINES IS MORE SUSCEPTIBLE TO CATALYTIC REACTION THAN THE LARGE MESH PRODUCT.AVOID GENERATION OF DUST AND FINES DURING HANDLING.

Other Precautions:WET ACTIVATED CARBON REMOVES O2 FROM AIR CAUSING SEVERE HAZ TO WORKERS INSIDE CARBON VESSELS & ENCLOSED/CONFINED SPACES. BEFORE ENTERING SUCH AREA,SAMPLING & WORK PROC FOR LOW O2 LEVELS SHOULD BE TAKE N TO ENSURE AMPLE O2 AVAILABILITY.

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

Protection =====

Respiratory Protection:A NIOSH APPROVED PARTICULATE FILTER RESPIRATOR IS RECOMMENDED IF EXCESSIVE DUST IS GENERATED.
Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) RECOMMENDED.
Protective Gloves:RUBBER GLOVES RECOMMENDED.
Eye Protection:SAFETY GLASSES OR GOGGLES RECOMMENDED.
Other Protective Equipment:FINES GENERATED BY ATTRITION DURING HANDLING OF PROD GENERALLY CONTAIN HIGHER LEVEL OF IMPREGNATE THAN ACTUAL (SEE SUPP)
Work Hygienic Practices:WASH THO ROUGHLY AFTER HANDLING.
Supplemental Safety and Health
REAL DENSITY:2.3 G/CC.PACKING DENSITY:0.4-0.7 G/CC. WASTE DISP MAY BE SUBJECTED TO RQ RULES IF WASTE IS SPILLED.

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

HCC:N1
Boiling Pt:B.P. Text:NOT KNOWN
Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN
Decomp Temp:Decomp Text:NOT KNOWN
Vapor Pres:NOT KNOWN
Vapor Density:NOT KNOWN
Spec Gravity:NOT KNOWN
Solubility in Water:NEGLIGIBLE
Appearance and Odor:BLACK PARTICULATE SOLID.
Per cent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS SUCH AS OZONE, LIQUID OXYGEN, CHLORINE, PERMANGANATE.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:CARBON MONOXIDE MAY BE GENERATED IN THE EVENT OF FIRE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATI

ONS.

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.