

NORIT AMERICAS INC. -- BITUMINOUS COAL BASED ACTIVATED CARBON,CHARCOAL,ACTIVATED
-- 6810-00-726-7944

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

Product ID:BITUMINOUS COAL BASED ACTIVATED CARBON,CHARCOAL,ACTIVATED

MSDS Date:02/21/1997

FSC:6810

NIIN:00-726-7944

MSDS Number: CDMMQ

=== Responsible Party ===

Company Name:NORIT AMERICAS INC.

Address:1050 CROWN POINTS PARKWAY, SUITE 1500

City:ATLANTA

State:GA

Z

IP:30338

Country:US

Info Phone Num:800-641-9245/903-938-9211

Emergency Phone Num:800-641-9245

Resp. Party Other MSDS Num.:NORIT MSDS# 113 REV 00

Chemtec Ind/Phone:(800)424-9300

CAGE:KO977

=== Contractor Identification ===

Company Name:NORIT AMERICAS INC.

Address:5775 PEACHTREE DUNWOODY RD BLDG C SUITE 250

Box:City:ATLANTA

State:GA

ZIP:30342

Country:US

Phone:800-641-9245/PRYOR 918-825-5570

CAGE:KO977

Company Name:PITTSBURGH VISION SERVICES

Address:300 S CRAIG ST

Box:UNKNOW

City:PITTSBURGH

State:

PA

ZIP:15213-3791

Country:US

Phone:412-682-5600;800-641-9245

Contract Num:SP0450-99-F-0332

CAGE:2A222

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

Ingred Name:ACTIVATED CARBON (STEAM ACTIVATED)

CAS:7440-44-0

RTECS #:FF5250100

= Wt:100.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:2 MG/M3 TDUST; 9596

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

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

Routes of Entry: Inhalation:YE

S Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY TRACT. ACUTE- WHEN FINE PARTICLES ARE AIRBORNE, THEY CAN BE IRRITATING TO EYES AND RESPIRATORY TRACT. MILD IRRITATION IS POSSIBLE TO SKIN DUE TO ABRESIVE ACTION OF DUST. A SINGLE DOSE OF THIS PRODUCT ISRELATIVELY HARMLESS BY INGESTION. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, TEARING, REDNESS OF EYES

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS SUCH AS COLDS, ALLERGIES, ASTHMA AND EMPHYSEMA MAY BE AGGRAVATED BY INHALATION OF CARBON DUSTS.

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

First Aid:OBTAIN MEDICAL HELP IF IRRITATION PERSISTS. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:FLUSH WITH WATER. INHALATION:MOVE TO FRESH AIR. ORAL:NO HARMFUL EFFECTS EXPECTE D. IF CONSCIOUS, DRINK 1-2 GLASSES OF WATER. IF SYMPTOMS PERSIST, SEE A DOCTOR.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER FOG, CARBON DIOXIDE, SAND, FOAM. AVOID METHODS WHICH MAY STIR UP DUST CLOUDS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:HARD TO SEE THAT IS BURNING. CAN PRODUCE

CARBON MONOXIDE, CARBON DIOXIDE. AIRBORNE DUST IS AN EXPLOSION HAZARD.

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

Spill Release Procedures:WEAR APPROVED DUST MASK. VENTILATE AREA. REMOVE IGNITION SOURCES. AVOID RAISING DUST. CAREFULLY, REMOVE SPILL WITH CLEAN, DRY SHOVEL. PLACE INTO A SUITABLE CONTAINER. WASH SPILL SITE WITH WATER.

Neutralizing Agent:NOT RELEVANT

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

=====

Handling and Storage Precautions:STORE IN COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINERS TIGHTLY CLOSED. DO NOT RAISE DUST.

Other Precautions:BEFORE ENTERING CONFINED SPACES, TEST FOR CARBON MONOXIDE AND OXYGEN CONCENTRATIONS. WEAR AN APPROPRIATE NIOSH APPROVED SUPPLIED AIR RESPIRATOR TO AVOID TOXIC GASES. WASH THOROUGHLY AFTER HANDLING. KE EP OUT OF REACH OF CHILDREN.

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

Respirat

ory Protection:NONE IN NORMAL HANDLING. FOR CONDITIONS WHERE EXPOSURE TO DUST AND FUMES IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO THE CONCENTRATION MAY BE WORN. IN EMERGENCIES, WEAR SELF-CONTAINED BREATHING APPARATUS

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER OR LATEX IF NEEDED

Eye Protection:DUST-TIGHT GOGGLES FOR DUSTY CONDITIONS

Other Prot

ective Equipment:EYE BATH, WASHING FACILITIES

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

Supplemental Safety and Health

N/P. BULK DENSITY-GRANDULAR GRADE 28-34 LBSFT

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:0.45 - 0.54

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and

Odor:BLACK GRANULES - NO ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS OZONE, LIQUID OXYGEN, CHLORINE, PERMANGNATE, ETC.. STRONG ACIDS

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF BY INCINERATION OR BY BURIAL IN A LANDFILL IN ACC

ORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL
LAWS AND REGULATIONS. DO NOT REUSE EMPTY BAGS. DISPOSE OF IN
FACILITY PERMITTED FOR NON-HAZ ARDOUS WASTE.

===== MSDS Transport Information =====

Transport Information: NORIT GRANULAR ACTIVATED CARBON IS EXEMPT FROM
PROVISIONS OF IMGD 4.2 AND IATA A3 AND NOT REGULATED BY DOT.

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

Disclaimer (provided with this information by the compiling a
gencies):

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.