

NORIT AMERICAS INC. -- NORIT BITUMINOUS/SUBBITUMINOUS COAL BASED ACTIVATED CARBONS -- 6810-00-726-7944

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Product Identification
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Product ID:NORIT BITUMINOUS/SUBBITUMINOUS COAL BASED ACTIVATED CARBONS

MSDS Date:06/11/1998

FSC:6810

NIIN:00-726-7944

MSDS Number: CKFCP

=== Responsible Party ===

Company Name:NORIT AMERICAS INC.

Address:1050 CROWN POINTE PARKWAY, SUITE 1500

City:ATLANTA

State:

GA

ZIP:30338

Country:US

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

Emergency Phone Num:800-255-3924 CHEM-TEL

Resp. Party Other MSDS Num.:117 REV NO. 00

Preparer's Name:NOT PROVIDED

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:SO0450-00-F-1301

CAGE:2A222

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:SP0450-00-F-0247

CAGE:2A222

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Composition/Information on Ingredients
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Ingred Name:ACTIVATED CARBON

CAS:7440-44-0

DUST)
OSHA STEL:5 MG/M3 (RDUST)
ACGIH TLV:10 MG/M3 (TDUST)

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

LD50 LC50 Mixture:NOT PROVIDED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:POTENTIAL HEALTH EFFECTS: EYES: NOT CORROSIVE, BUT LIKE MOST PARTICULATE MATERIALS, MAY CAUSE MILD PHYSICAL IRRITATION. SKIN: NOT CORROSIVE AND NOT A PRIMARY SKIN IRRITANT. MILD IRRITA

TION IS POSSIBLE DUE TO ABRASIVE ACTION OF DUST. INGESTION: NO KNOWN DELETERIOUS EFFECTS. INHALATION: POSSIBLE MILD IRRITATION OF RESPIRATORY TRACT DUE TO DRYING AND ABRASIVE ACTIONS OF DUST.

Explanation of Carcinogenicity:IARC: NOT LISTED. NTP: NOT LISTED. OSHA: NOT REGULATED. ACTIVATED CARBONS ARE NOT LISTED AS POTENTIAL CARCINOGENS BY ANY AGENCY.

Effects of Overexposure:EYES: MAY CAUSE MILD PHYSICAL IRRITATION. SKIN: MILD IRRITATION IS POSSIBLE DUE TO ABRASIVE ACTION OF DUST.

INHALATION: POSSIBLE MILD IRRITATION OF RESPIRATORY TRACT DUE TO DRYING AND ABRASIVE ACTION OF DUST.

Medical Cond Aggravated by Exposure:NONE DOCUMENTED.

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

First Aid:SKIN: WASH MATERIAL OFF THE SKIN WITH SOAP AND WATER, SEEK MEDICAL ATTENTION IF IRRITATION OCCURS. EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS. INGESTION: GI VE ONE OR TWO GLASSES OF WATER TO D

RINK. SEEK MEDICAL ATTENTION IF GASTROINTESTINAL SYMPTOMS DEVELOP. INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IF COUGH OR RESPIRATORY SYMPTOMS DEVELOP.

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

Extinguishing Media:EXTINGUISH FIRE USING WATER FOG, FINE WATER SPRAY, CARBON DIOXIDE OR FOAM. AVOID STIRRING UP DUST CLOUDS.

Fire Fighting Procedures:IF POSSIBLE TO DO SAFELY, MOVE SMOLDERING ACTIVATED CARBON TO A NON-HAZARDOUS AREA, PREFERABL

Y OUTDOOR.

RESPIRATORY AND EYE PROTECTION REQUIRED FOR THE FIRE FIGHTING PERSONNEL INCLUDES FULL PROTECTIVE EQUIPMENT (BUNKER GEAR). A SELF-CONTAINED BREATHING APPARATUS (SCBA) SHOULD BE USED FOR INDOOR AND LARGE OUTDOOR FIRES.

Unusual Fire/Explosion Hazard:ACTIVATED CARBON IS DIFFICULT TO IGNITE AND TENDS TO BURN SLOWLY (SMOLDER) WITHOUT PRODUCING SMOKE OR FLAMES. TOXIC GASES WILL FORM UPON COMBUSTION.

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

Spill Release Procedures:CLEAN UP SPILLS IN A MANNER THAT DOES NOT DISPERSE DUST INTO THE AIR. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE, AND REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:PRODUCT SHOULD BE STORED IN A CLOSED DRY CONTAINER. MAINTAIN GOOD HOUSEKEEPING PROCEDURES. STORE AWAY FROM STRONG OXIDIZERS SUCH AS OZONE, LIQUID OXYGEN, CHLORINE, PERMANGANATE, ETC. USE WITH ADEQUATE VENTILATION TO DRAW DUST AWAY FROM WORKERS' BREATHING ZONES. STORE AT AMBIENT TEMPERATURE.

Other Precautions:FOLLOW GOOD HANDLING AND HOUSEKEEPING PRACTICES TO MINIMIZE SPILLS, GENERATION OF AIRBORNE DUSTS, AND ACCUMULATION OF DUSTS ON EXPOSED SURFACES. PREVENT OR MINIMIZE EXPOSURES TO DUSTS BY USING APPROPRIATE RESPIRATORS, GLOVES, AND EYE PROTECTION. WASH EXPOSED SKIN AREAS THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT APPROPRIATE TO THE MATERIAL AND/OR ITS CONCENTRATION WHERE AIRBORNE EXPOSURE IS LIKELY. IF EXPOSURES CANNOT BE KEPT TO A MINIMUM WITH ENGINEERING CONTROLS, CONSULT RESPIRATOR MANUFACTURER TO DETERMINE APPROPRIATE TYPE EQUIPMENT FOR A GIVEN AP

PLICATION.

OBSERVE RESPIRATOR USE LIMITATIONS GIVEN BY NIOSH.

Ventilation:USE LOCAL EXHAUST VENTILATION TO CONTROL EMISSIONS NEAR THE SOURCE. VENTILATION SYSTEMS SHOULD BE SIZED AND CONFIGURED TO PREVENT EXPOSURE ABOVE PEL.

Protective Gloves:AVOID CONTACT WITH SKIN.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS/DUST TIGHT GOGGLES ARE RECOMMENDED.

Other Protective Equipment:HAVE EYE FLUSHING EQUIPMENT AVAILABLE. WEAR DUST RESISTANT CLOTHING.

Work Hygienic Practices:WASH CONT

AMINATED CLOTHING AND CLEAN PROTECTIVE

EQUIPMENT BEFORE REUSE. WASH SKIN THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

OBSERVE RESPIRATOR USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE MANUFACTURER.

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

HCC:R1

NRC/State Lic Num:NOT RELEVANT.

Decomp Temp:Decomp Text:NOT PROVIDED

Spec Gravity:0.449 - 0.545

Solubility in Water:INSOLUBLE

Appearance and Odor:BLACK GRANULES WITH NO ODOR

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

CONTACT WITH STRONG OXIDIZERS SUCH AS OZONE, LIQUID OXYGEN, CHLORINE, PERMANGANATE, ETC. MAY RESULT IN RAPID COMBUSTION. AVOID CONTACT WITH STRONG ACIDS.

Stability Condition to Avoid:THIS PRODUCT IS CONSIDERED STABLE UNDER THE SPECIFIED CONDITIONS OF STORAGE, SHIPMENT AND USE.

Hazardous Decomposition Products:OXIDES OF CARBON.

===== Toxicological Information

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Toxicological Information:THIS MATERIAL IS NON-TOXIC. CONTACT THE MANUFACTURER FOR FURTHER INFORMATION.

===== Ecological Information =====

Ecological:THIS MATERIAL, IN ITS ORIGINAL STATE, IS NOT HARMFUL TO THE ENVIRONMENT. CONTACT THE MANUFACTURER FOR FURTHER INFORMATION.

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

Waste Disposal Methods:COAL BASED ACTIVATED CARBON, IN ITS ORIGINAL STATE, IS NOT A HAZ

HAZARDOUS WASTE. FOLLOW APPLICABLE REGULATIONS FOR WASTE DISPOSAL. USED ACTIVATED CARBON MAY BECOME CLASSIFIED AS A HAZARDOUS WASTE DEPENDING UPON THE APPLICATION. FOLLOW APPLICABLE REGULATIONS FOR DISPOSAL. RECYCLING (RE-ACTIVATION) MAY BE A VIABLE ALTERNATIVE TO DISPOSAL.

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

Transport Information:DOT (DEPARTMENT OF TRANSPORTATION): PROPER SHIPPING NAME: ACTIVATED CARBON (NOT DOT REGULATED). HAZARD CLASS:

NOT APPLICABLE. UN NUMBER: NOT APPLICABLE. PACKING GROUP: NOT APPLICABLE. FREIGHT CLASSIFICATION: STCC CODE - # 2899643 NMFC CLASS - 70.

===== Regulatory Information =====

SARA Title III Information:CERCLA/SUPERFUND, 40CFR117, 302:

NOTIFICATION OF SPILLS OF THIS MATERIAL IS NOT REQUIRED. SARA SUPERFUND: AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III). SECTION 302, AND : SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES (40CFR355

): THIS PRODUCT IS NOT LISTED AS AN EXTREMELY HAZARDOUS SUBSTANCE. SECTION 313 - LIST OF TOXIC CHEMICALS: THIS PRODUCT IS NOT LISTED.

Federal Regulatory Information:TOXIC SUBSTANCES CONTROL ACT, 40 CFR 710: THIS PRODUCT IS ON THE INVENTORY LIST. RESOURCE CONSERVATION AND RECOVERY ACT: THIS PRODUCT, IN ITS ORIGINAL STATE, DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE. OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200: SEE "PARTICULATES NOT OTHERWISE REGULATED," IN TABLE 2-1, OF 29 CFR 1910.1000, "LIMITS FOR AIR CONTAMINATES".

State Regulatory Information:CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH: NOT LISTED. MASSACHUSETTS - SUBSTANCE LIST: NOT LISTED. NEW JERSEY RIGHT-TO-KNOW: NOT LISTED. PENNSYLVANIA RIGHT-TO-KNOW; NOT LISTED.

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

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