

R M ENGINEERED PRODUCTS, INC. -- 93140-052 -- 5330-00-291-5644

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

Product ID:93140-052

MSDS Date:07/01/1991

FSC:5330

NIIN:00-291-5644

MSDS Number: BRKST

==== Responsible Party ===

Company Name:R M ENGINEERED PRODUCTS, INC.

Address:4854 O'HEAR AVENUE

Box:5205

City:NORTH CHARLESTON

State:SC

ZIP:29406

Country:US

Info Phone Num:803-744-6261

Emergency Phone Num:803-744-62

61

Preparer's Name:E.K. HANSON

CAGE:10009

==== Contractor Identification ===

Company Name:PORTER SEAL CO

Address:1401 N BOWIE DR

Box:City:WEATHERFORD

State:TX

ZIP:76086

Country:US

Phone:817-594-8771

CAGE:4F044

Company Name:R M ENGINEERED PRODUCTS, INC.

Address:4854 O'HEAR AVENUE

Box:City:NORTH CHARLESTON

State:SC

ZIP:29405

Country:US

Phone:843-744-6261

CAGE:10009

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

Ingred Name:ASBESTOS, CHRYSOTILE

CAS:12001-29-5

RTECS #:CI647850

0

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 FIBERS/CC

ACGIH TLV:2 FIBERS/CC; A1;9293

Ingred Name:TEFLON (TETRAFLUORO ETHYLENE POLYMER) (PTFE)

CAS:116-14-3

RTECS #:KX4025000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:NONE UNDER NORMAL CONDITIONS OF USE.

HOWEVER, EXPOSURE TO NUISANCE DUST/FIBERS AND TEFLON FUMES FROM MACHINING OR HEATING CAN PRODUCE FLU-LIKE SYMPTOMS WITH FEVER AND CHILLS. CHRONIC: IF DUST GENERATE D, REPEATED EXPOSURE TO ASBESTOS FIBERS CAN CAUSE MESOTHELIOMA AND LUNG CANCER.

Explanation of Carcinogenicity:CONTAINS ASBESTOS [12001-29-5] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION: FLU-LIKE SYMPTOMS, FATIGUE AND SHORTNESS OF BREATH

TH THAT GETS WORSE WITH TIME AND EVENTUALLY BECOMES DISABLING. EYES: IRRITATION. SKIN: IRRITATION. INGESTION: MILD STOMACH DISTRESS. DIARRHEA, VOMITING, AND NAUSEA.

Medical Cond Aggravated by Exposure:ASTHMA, EMPHYSEMA, AND TUBERCULOSIS ARE ALL GENERALLY AGGRAVATED BY EXPOSURE TO ASBESTOS FIBERS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. SEE DOCTOR. EYES: RINSE THOROUGHLY WITH WATER FOR 15 MINUTES. SEE DOCTOR

R. SKIN: WASH

THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEE DOCTOR. INGESTION: DILUTE WITH WATER. DO NOT INDUCE VOMITING. SEE DOCTOR.

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

Flash Point:NOT REQUIRED

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE ALL NON-ESSENTIAL PERSONNEL FROM AREA

EA, STAY UPWIND.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS, INCLUDING FLUORINATED OXIDE FUMES.

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

Spill Release Procedures: VACUUM THE MATERIAL WITH A HEPA FILTERED VACUUM. THE EQUIPMENT SHALL BE USED & EMPTIED SO AS TO MINIMIZE THE RE-ENTRY OF ASBESTOS INTO THE WORKPLACE. OTHERWISE, WET THE MATERIAL WITH WATER & SURFACTANT AND THEN SHOVEL OR MOP UP CONTAMINATION.

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

Handling and Storage Precautions: ITEM IS NONFRIABLE & WILL NOT SHED FIBERS IN NORMAL USE AND STORAGE. USED ITEMS SHALL BE WETTED BEFORE, DURING & AFTER DISASSEMBLY.

Other Precautions: IF IT IS NECESSARY TO CUT OR IMPACT THE ITEM WHILE INSTALLING IT, WEAR A RESPIRATOR AND PROTECTIVE CLOTHING. USED ITEMS SHALL BE IDENTIFIED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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

Respiratory Protection: WEAR A NIOSH/MSHA APPROVED HEPA RESPIRATOR IF REQUIRED. WEAR SELF-CONTAINED BREATHING APPARATUS IF REQUIRED FOR HIGH LEVELS OF CONTAMINATES.

Ventilation: LOCAL EXHAUST SUFFICIENT TO ENTRAIN ALL PARTICULATE EMISSIONS. HEPA FILTER REQUIRED. NO LEAKS ON PRESSURE SIDE OF FAN.

Protective Gloves: COTTON OR LEATHER

Eye Protection: SAFETY GLASSES OR GOGGLES

Other Protective Equipment

: USE COVERALLS OR DISPOSABLE CLOTHING.

Work Hygienic Practices: WET WORK TO THE DEGREE POSSIBLE. WASH HANDS AFTER HANDLING ITEM. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:T6

Decomp Temp: Decomp Text: 550F, 288C

Solubility in Water: INSOLUBLE

Appearance and Odor: WHITISH COLORED SOLID ODORLESS MATERIAL

Percent Volatiles by Volume: 0

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

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Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS AND INTERHALOGEN AGENTS.

Stability Condition to Avoid: TEMPERATURES OVER 500F. ACCUMULATIONS OF DUST

Hazardous Decomposition Products: VARIOUS FLUOROCARBON FUMES, CARBON MONOXIDE AND CARBON DIOXIDE

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

Waste Disposal Methods: WET THE MATERIAL WITH WATER AND SURFACTANT.

PLACE IN 6 MIL THICK POLYETHYLENE PLASTIC BAG. PLACE THESE BAGS INTO ANOTHER

POLY BAG OR A SAFE PLACE UNTIL IT CAN BE SHIPPED TO AN APPROVED DISPOSAL SITE. IDENTIFY WITH ASBESTOS CANCER WARNING LABEL.

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