

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:803-744-6

261

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 #:CI64785

00

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 FIBERS/CC

ACGIH TLV:2 FIBERS/CC; A1;9293

Ingrid 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 CO

NDITIONS 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 BRE

ATH 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 DOCT

OR. 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 A

REA, 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

t:USE COVERALLS OR DISPOSABLE CLOTHING.

Work Hygienic Practices:WET WORK TO THE DEGREE POSSIBLE. WASH HANDS AFTER HANDLING ITEM. LAUNDRY 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 =====

=====

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.

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 see

and seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.