

R M ENGINEERED PRODUCTS INC. -- RM 325 HIGH TEMP VALVE STEM PACKING --  
5330-00-599-9547

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Product Identification  
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Product ID:RM 325 HIGH TEMP VALVE STEM PACKING

MSDS Date:10/01/1991

FSC:5330

NIIN:00-599-9547

MSDS Number: BQKPN

=== Responsible Party ===

Company Name:R M ENGINEERED PRODUCTS INC.

Address:4854 O'HEAR AVENUE

Box:5205

City:NORTH CHARLESTON

State:SC

ZIP:29406-4926

Country:US

In  
fo Phone Num:803-744-6261/803-744-0461 (FAX)

Emergency Phone Num:803-744-6261

Preparer's Name:E. H. HANSON/M.J.

CAGE:10009

=== Contractor Identification ===

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

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Composition/Information on Ingredients  
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Ingred Name:ASBESTOS, CHRYSOTILE

CAS:12001-29-5

RTECS #:CI6478500

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 FIB

ERS/CC  
ACGIH TLV:2 FIBERS/CC; A1;9293

Inged Name:GRAPHITE, SYNTHETIC  
CAS:7440-44-0  
RTECS #:FF5250100  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:2 MG/M3 TDUST; 9293

Inged Name:NICKEL-CHROMIUM-IRON ALLOY (AS STATED IN TOTAL ITEM RECORD)  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3 (CHROMIUM)  
ACGIH TLV:0.5 MG/M3 (CHROMIUM)

Inged Name:NICKEL-CHROMIUM-IRON ALLOY (AS STATED IN TOTAL ITEM RECORD)  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3 (NICKEL)  
ACGIH TLV:  
1 MG/M3 (NICKEL)

Inged Name:NICKEL-CHROMIUM-IRON ALLOY (AS STATED IN TOTAL ITEM RECORD)  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 IRON DUST  
ACGIH TLV:10 MG/M3 IRON DUST

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ALL COMPONENTS ARE ENCAPSULATED DURING  
PROCESS AND SHOULD NOT CREATE PROBLEMS EXCEPT IF DUST/FIBER  
S ARE  
CREATED BY GRINDING, WELDING, ETC. UPPER RESPIRATORY DISEASES FROM  
INHALATION OF FUMES/FIBERS/DUSTS AND SKIN CONDITIONS MAY RESULT.  
LONG EXPOSURE TO ASBESTOS CAN RESULT IN ASBESTOSIS AND LUNG CANCER.  
Explanation of Carcinogenicity:THIS PRODUCT CONTAINS A  
[1332-21-4], AN OSHA REGULATED CARCINOGEN.  
Effects of Overexposure:NO SIGNS/SYMPTOMS UNDER NORMAL CONDITIONS OF  
USE. INHALATION: COUGHING, WHEEZING, SHORTNESS OF BREATH, IMPAIRED  
PULMONARY FUNCTION. SKIN: IT

CHING, RASH. EYES: MECHANICAL IRRITATION FROM AIRBORNE DUST. INGESTION: GASTROINTESTINAL DISTURBANCES.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING SKIN OR RESPIRATORY CONDITIONS MAY BE MORE AT RISK FROM EXPOSURE TO DUSTS OF THIS PRODUCT.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ADVICE. SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. EYES: FLOOD WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INGESTION: DRINK WATER. DO NOT INDUCE VOMITING. SEE DOCTOR. OTHER: CHANGE CLOTHING AS REQUIRED TO AVOID CARRYING DUST PARTICLES INTO OTHER AREAS.

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

Flash Point:NONE  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY OR FOAM.  
Fire Fighting Procedures:EVACUATE ALL NON-ESSENTIAL PERSONNEL FROM AREA. USE A SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING CHEMICAL PRODUCTS.  
Unusual Fire/Explosion Hazard:TOXIC DECOMPOSITION FUMES MAY BE EMITTED IN A FIRE.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION. VACUUM OR WET CLEAN IF DUST IS INVOLVED. ANY VACUUM SYSTEM SHOULD BE EQUIPPED WITH AN OUTLET "HEPA" FILTER TO PREVENT REINTRODUCING ASBESTOS FIBERS TO THE ATMOSPHERE.  
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:HANDLE IN A MANNER TO MINIMIZE FORMATION OR RETENTION OF AIRBORNE DUST. USE PROPER PERSONAL PROTECTION FOR TASK AT HAND. CHECK W/YOUR SAFETY OFFICE!!!  
Other Precautions:AS MANUFACTURED, LOCKED-IN ASBESTOS DOES NOT PRESENT A HAZARD. ONLY WHEN THE ITEM IS SUBJECTED TO ABRASIVE ACTIONS & DUST IS GENERATED, THEN ASBESTOS FIBERS MAY BE RELEASED AND BECOME AIRBORNE.

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

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Respiratory Protection:IF EXPOSURES EXCEED ESTABLISHED LIMITS, A NIOSH/MSHA APPROVED RESPIRATOR FOR ASBESTOS SHOULD BE USED. CONSULT YOUR SAFETY OFFICE/INDUSTRIAL HYGIENIST PERSONNEL FOR GUIDANCE FOR THE TASK AT HAND.

Ventilation:LOCAL EXHAUST IS RECOMMENDED IN SITUATIONS WHERE DUST IS GENERATED BY ABRASIVE ACTIONS, ABRASION OR OTHER MEANS.

Protective Gloves:LEATHER, AS REQUIRED FOR TASK AT HAND.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipm

ent:USE SUFFICIENT CLOTHING TO PREVENT SKIN CONTACT FROM DUST/FUMES WHEN NEEDED.

Work Hygienic Practices:AVOID CREATING DUST. FOLLOW GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS THOROUGHLY BEFORE EATING OR SMOKING.

Supplemental Safety and Health  
NONE.

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

HCC:T6

Evaporation Rate & Reference:NONE

Solubility in Water:NOT SOLUBLE

Appearance and Odor:DARKK GRAY SOLID. SLIPPERY TO TOUCH.

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE KNOWN

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER POSSIBLE TOXIC DECOMPOSITION PRODUCTS.

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

Waste Disposal Methods:DUST SHOULD BE HANDLED AS A HAZARDOUS AIR POLLUTANT I/A/W 40CFR61 SUBPART "M" PERTAINING TO ASBESTOS. USE LANDFILLS APP

ROVED FOR ASBESTOS DISPOSAL. NOTE IF ITEM UNDER  
CONSIDERATION FOR DISPOSAL IS "FR IABLE OR NON-FRIABLE".

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