

BRUSH WELLMAN INC ELMORE PLANT -- THERMALOX 995 -- 5970-00-686-1674

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Product Identification  
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Product ID:THERMALOX 995

MSDS Date:12/01/1990

FSC:5970

NIIN:00-686-1674

MSDS Number: BRLYP

=== Responsible Party ===

Company Name:BRUSH WELLMAN INC ELMORE PLANT

Address:14710 W PORTAGE RIVER SOUTH RD

City:ELMORE

State:OH

ZIP:43416-9502

Country:US

Info Phone Num:419-862-2745

Emergency Phone Num:41

9-862-2745(CHEMTREC 800-424-9300)

Preparer's Name:MARC KOLANZ

CAGE:4B151

=== Contractor Identification ===

Company Name:BRUSH WELLMAN INC.

Address:14710 W PORTAGE RIVER S ROAD

Box:City:ELMORE

State:OH

ZIP:43416-9502

Country:US

Phone:800-862-4118; -4177 (FAX)

CAGE:4B151

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Composition/Information on Ingredients  
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Ingred Name:BERYLLIUM OXIDE

CAS:1304-56-9

RTECS #:DS4025000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

Ingred Name:BERYLLIUM (SARA III)

CAS:7440-41

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RTECS #:DS1750000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 UG/M3  
ACGIH TLV:0.002PPM; A2; 9293

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: SKIN ABRASION MAY CAUSE  
IRRITATION. DUST MAY CAUSE MECHANICAL IRRITATION OF EYES. CHRONIC:  
PROLONGED OR REPEATED INHALATION OF HIGH CONCENTRATIONS OF  
BERYLLIUM DUST  
MAY CAUSE SERIOUS LUNG DISEASE (BERYLLIOSIS).  
PROLONGED OR REPEATED EXPOSURE HAS THE POTENTIAL FOR CAUSING CANCER.  
Explanation of Carcinogenicity:BERYLLIUM IS LISTED AS AN ANTICIPATED  
CARCINOGEN BY NTP AND AS A 2A CARCINOGEN BY IARC.  
Effects of Overexposure:INHALATION: COUGH, CHEST PAIN, SHORTNESS OF  
BREATH, WEIGHT LOSS, WEAKNESS, AND FATIGUE. EYES: REDNESS,  
DISCOMFORT. INGESTED:Medical Cond Aggravated by Exposure:PERSONS  
WITH IMPAIRED LUNG FUNCTION, AIRWAY DISEASES, OR COND  
ITIONS SUCH AS  
ASTHMA, BRONCHITIS MAY INCUR FURTHER IMPAIRMENT IF EXCESSIVE  
CONCENTRATIONS OF DUST OR FUME ARE INHALED.

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First Aid Measures  
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First Aid:INHALED: REMOVE TO FRESH AIR. GIVE RESPIRATORY SUPPORT AS  
NEEDED. SEE DOCTOR IF SYMPTOMS PERSIST. EYES: FLUSH WITH LOTS OF  
WATER, HOLD LIDS OPEN. SEE DOCTOR. SKIN: WASH WITH SOAP AND WATER.  
SEE DOCTOR IF IRRITATION PERSISTS. INGESTED: IF CONSCIOUS, GIVE  
WATER. GET MEDICAL HELP.

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Fire Fighting Measures  
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Flash Point:NONE  
Autoignition Temp:Autoignition Temp Text:NONE  
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL BUNKER GEAR.  
Unusual Fire/Explosion Hazard:NONE

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Accidental Release Measures  
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Spill Release Procedures:MINIMIZE DUST FORMATION. NO SPECIAL  
PRECAUTIONS UNLESS DUST FORMED; THEN ISOL

ATE AND REQUIRE

RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. VACUUM WITH VACUUM EQUIPPED WITH HEPA FILTER. IF SPILL EXCE EDS RQ, REPORT TO PROPER AUTHORITIES.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:IF DUST IS GENERATED DURING THE USE OR MAINTENANCE OF THIS ITEM, PERIODIC LUNG FUNCTION TESTS, CHEST X-RAYS AND PHYSIC

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EXAMS SHOULD BE USED TO MONITOR THE POTENTIAL EFFECTS OF DUST OR FUME EXPOSURE.

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

Respiratory Protection:IF HIGH CONCENTRATIONS OF DUST IS GENERATED AND ENGINEERING CONTROLS FAIL OR AN EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR WITH HEPA CARTRIDGE. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION WITH HEPA FILTRATION IF DUST IS GENERATED DURING REPAIR OF THIS ITEM.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:FULL WORK CLOTHING TO PREVENT REPEATED OR PROLONGED CONTACT. EYE WASH STATION AVAILABLE.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. DO NOT WEAR CONTACT LENSES IF DUSTY CONDITIONS OCCUR.

Supplemental Safety and Health

MSDS PROVIDED FOR ITEM FOR USE IF ITEM HAS TO BE REPAIRED, CUT, OR GROUND. ITEM IS AN ARTICLE UNDER 29 CFR 1900.1200.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:4617F,2547C

Spec Gravity:2.86 (WATER=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:5/8 INCH DIAMETER WHITE CERAMIC BUSHING.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NONE

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NONE

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===== Dispos

al Considerations =====

Waste Disposal Methods:RECYCLE IF POSSIBLE. IF NOT, SEAL IN 2 PLASTIC BAGS, PLACE IN DOT CONTAINER FOR POISON B COMPOUNDS. LABEL W DOT HAZ WARNINGS LABELS & SHIP TO APPROVED HAZ WASTE DISPOSAL SITE.

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