

BAY STATE ABRASIVES -- RESIN BONDED ALUMINUM OXIDE ABRASIVES; "A" -- 3460-00-143-4806

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

Product ID:RESIN BONDED ALUMINUM OXIDE ABRASIVES; "A"
MSDS Date:11/14/1985
FSC:3460
NIIN:00-143-4806
MSDS Number: BNDRV
=== Responsible Party ===
Company Name:BAY STATE ABRASIVES
Address:12 UNION STREET
City:WESTBORO
State:MA
ZIP:01581
Country:US
Info Phone Num:508-366-4431
Emergency Phone Num:508-366-4431
CAGE:16163

=== Contractor Identification ===

Company Name:BAY STATE ABRASIVES
Address:12 UNION STREET
Box:City:WESTBORO
State:MA
ZIP:01581
Country:US
Phone:508-366-4431
CAGE:16163

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

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS
FORMS) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
Fraction by Wt: +50%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:RUBBER
CAS:78-79-5
Fraction by Wt: +4%
ACGIH TLV:10 MG/CUM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:ZIRCONIUM OXIDE
CAS:1314-23-4
RTECS #:ZH8800000
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG ZR/M3
ACGIH TLV:5 MG ZR/M3

Ingred Name:CREOSOTE (SARA III)
CAS:8001-58-9
RTECS #:GF8615000
Fraction by Wt: <0.7%
Other REC Limits:NONE SPECIFIED

EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MPPCF RDUST
ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:SULFUR
CAS:7704-34-9
RTECS #:WS4250000
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED

Ingred Name:SARAN RESIN
CAS:9010-76-8
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15MG/M3 DUST/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:COPPER (SARA III)
CAS:7440-50-8
RTECS #:GL5325000
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1MG/M3 FUME/1 DUST
ACGIH TLV:0.2MG/M3 FUME; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BARIUM SULFATE
CAS:7727-43-7
RTECS #:CR0600000
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SODIUM FLUORALUMINATE
CAS:15096-52-3
RTECS #:WA9625000
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2.5 MG F/M3
ACGIH TLV:2.5 MG F/M3

Ingred Name:PYRITE (FERRIC SULFIDE)
CAS:1309-36-0
Fraction by Wt: +1%
Other REC Limits:NONE SPECIFIED

Ingrid Name:CALCIUM OXIDE
 CAS:1305-78-8
 RTECS #:EW3100000
 Fraction by Wt: +1%
 Other REC Limits:NONE SPECIFIED
 OSHA PEL:5 MG/M3
 ACGIH TLV:2 MG/M3; 9192

Ingrid Name:CALCIUM SILICATE
 CAS:1344-95-2
 RTECS #:VV9150000
 Fraction by Wt: +1%
 Other REC Limits:NONE SPECIFIED
 OSHA PEL:15 MG/M3 TDUST
 ACGIH TLV:10 MG/M3 TDUST; 9192

Ingrid Name:GLASS, FIBROUS
 RTECS #:LK3651000
 Fraction by Wt: +1%
 Other REC Limits:NONE SPECIFIED
 OSHA PEL:15 MG/M3 (DUST)
 ACGIH TLV:10 MG/M3 (DUST);9192

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

LD50 LC50 Mixture:NO INFORMATION GIVEN ON MSDS BY SUPPLIER
 Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
 Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
 Health Hazards Acute and Chronic:THE MATERIAL IS CLASSIFIED BY OSHA AS
 A 'NUISANCE DUST' AND WOULD HAVE THE PULMONARY EFFECTS OF INERT
 DUST. RESIN COATED GLASS FABRIC IS USED IN SOME PRODUCTS AS
 REINFORCEMENT.
 Explanation of Carcinogenicity:CREOSOTE IS LISTED BY IARC.
 Effects of Overexposure:SEE HEALTH HAZARDS.
 Medical Cond Aggravated by Exposure:NO INFORMATION GIVEN ON MSDS BY
 SUPPLIER

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

First Aid:"SHOULD NOT BE REQUIRED." (MFR)

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

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:VENTILATE AREAS AND COLLECT MATERIAL IN MOST
 CONVENIENT AND SAFE MANNER FOR RECLAIMATION OR DISPOSAL.
 Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

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

Handling and Storage Precautions:STORE IN A DRY AREA. TAKE MEASURES TO
 INSURE AGAINST MECHANICAL DAMAGE.
 Other Precautions:STORE IN ACCORDANCE WITH ANSI B7.1. RESPIRATORY
 PROTECTION MAY BE REQUIRED IN AN EXTREMELY DUSTY ENVIRONMENT. USE
 ACCORDING INSTRUCTIONS PACKED WITH THE WHEELS.

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Exposure Controls/Personal Protection
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Respiratory Protection:MSHA OR NIOSH APPROVED DUST RESPIRATORS MAY BE
REQUIRED

Ventilation:UTILIZE LOCAL EXHAUST VENTILATION TO KEEP DUST BELOW TLV

Protective Gloves:MAY BE REQUIRED IN GRINDING OPERATIONS

Eye Protection:REQUIRED

Other Protective Equipment:IF APPLICABLE

Work Hygienic Practices:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Supplemental Safety and Health

MSDS RECEIVED FROM FOCAL POINT F (AIR FORCE). AIR FORCE IDENTIFIED THE
NSN.

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Physical/Chemical Properties
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HCC:N1

Solubility in Water:NOT SOLUBLE

Appearance and Odor:VARROIOUS BROWN AND GRAY COLOR SOLID,ODORLESS

Percent Volatiles by Volume:0

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE KNOWN

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Disposal Considerations
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Waste Disposal Methods:DISPOSE OF IN A SECURED SANITARY LANDFILL AND IN
ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

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