MATERIAL SAFETY DATA SHEET

DATE PRINTED: AUG 27, 2001
MSDS NO. ALT002
Alumina Sharpening stone (Oil Treated)

SECTION 1. CHEMICAL PRODUCT/COMPANY INFO.

PRODUCT NAME
Alumina Sharpening stone (Oil Treated)
MANUFACTURER (4)
Norton Company
Highland Ave.
Littleton, NH. 03561
(603) 444-3947
EMERGENCY TELEPHONE #1
(603) 444-3947
SUPPLIER
Norton Canada, Inc.
PO Box 3008 Station "B"
Hamilton, Ont., Canada L8L 7Y5
(905) 547-2551
PRODUCT USE
Various Sharpening tasks
REVISION DATE
7/06/1999
MSDS PRINT FORMAT
NORTONCAN
WHMIS HAZARD CLASS
D2B

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SUBSTANCE DESCRIPTION</th>
<th>PERCENT</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide, Non-fibrous</td>
<td>71.000</td>
<td>1344-28-1</td>
</tr>
<tr>
<td>Petrolatum</td>
<td>6.000</td>
<td>8009-03-8</td>
</tr>
<tr>
<td>Amorphous Silica, Fused</td>
<td>23.000</td>
<td>60676-86-0</td>
</tr>
<tr>
<td>OTHER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOMESTIC SUBSTANCE LIST</td>
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<td></td>
</tr>
<tr>
<td>LD50/LC50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Values are not appropriate or available.</td>
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</tbody>
</table>

SECTION 3. PHYSICAL AND CHEMICAL PROPERTIES
PRODUCT STATE
Solid

APPEARANCE & ODOR
Odorless.

ODOR THRESHOLD (ppm)
NA

SPECIFIC GRAVITY
NA

VAPOR PRESSURE (mm Hg)
NA

VAPOR DENSITY (Air = 1.0)
NA

EVAPORATION RATE
NA

BOILING POINT
F
C

pH FACTOR
NA

COEFFICIENT OF OIL/WATER
NA

SECTION 4. FIRE FIGHTING MEASURES

FLASH POINT
400.00 F
204.44 C

UPPER EXPLOSION LIMIT
NA

LOWER EXPLOSION LIMIT
NA

AUTO IGNITION TEMPERATURE
F
C
NA

EXTINGUISHING METHOD
Not Applicable

HAZARDOUS PRODUCTS/COMBUSTION
None.

OTHER FIRE + EXPLOSION HAZARDS
Not Applicable

SECTION 5. STABILITY AND REACTIVITY

STABILITY
Stable.

INCOMPATIBILITIES
Avoid acids of all types with a pH < 4.0.

DECOMPOSITION
Petrolatum oil will decompose into hydrocarbon by-products. CO & CO2 will be produced upon combustion.

SECTION 6. TOXICOLOGICAL INFORMATION

INHALATION ACUTE EXPOSURE EFFECTS
Dust may be slightly irritating to eyes and respiratory tract at
high concentrations.

INHALATION CHRONIC EXPOSURE EFFECTS
May affect breathing capacity. For products containing Amorphous Silica, Fused, there is limited evidence in animals that excessive and prolonged exposure to this chemical may cause pulmonary fibrosis.

SKIN CONTACT ACUTE EXPOSURE EFFECTS
Some may experience skin irritation from dust.

EYE CONTACT ACUTE EXPOSURE EFFECTS
Dust may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS
No known adverse effects, but ingestion not recommended.

<table>
<thead>
<tr>
<th>SUBSTANCE DESCRIPTION</th>
<th>EXPOSURE LIMITS/REGULATORY INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNITS</td>
</tr>
<tr>
<td>Aluminum Oxide, Non-fibrous</td>
<td>MG/M3</td>
</tr>
<tr>
<td>10.0000 Petrolatum</td>
<td>PPM</td>
</tr>
<tr>
<td>0.0000 Amorphous Silica, Fused</td>
<td>MG/M3</td>
</tr>
</tbody>
</table>

LEGEND:
EXPOSURE LIMIT DESCRIPTIONS
CARCINOGENICITY
Amorphous Silica, Fused IARC 3, NIOSH X

SECTION 7. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION
Recommend using local exhaust ventilation when general ventilation is not keeping the airborne concentration below the TLV.

RESPIRATORY PROTECTION
Respirators are required when airborne contaminant levels exceed the TLV(s).

EYE PROTECTION
N/A

OTHER PROTECTION
Not Applicable

HANDLING
This product contains a petroleum jelly that should not be stored above 200 degrees F.

WASTE DISPOSAL
Follow landfill methods consistent with applicable federal, state and local laws.

SECTION 8. FIRST AID MEASURES
INHALATION
Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

SKIN CONTACT
Wash affected areas with soap and water. Obtain medical assistance.

EYE CONTACT
Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

INGESTION
Call poison control center, hospital emergency room or physician immediately.

SECTION 9. OTHER INFORMATION

MSDS DATA SOURCE
SUPPLIER MSDS
CREATED BY
CRPKPF
CREATION DATE
5/13/1998
EMERGENCY TELEPHONE #2

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KEY TO ABBREVIATIONS:
EQ=Equal
AP=Approximately
available =
LT=Less Than
TR=Trace
GT=Greater Than
ND=No Data