Section 1: Identification

MANUFACTURER: PACE Technologies
3601 E. 34th St.
Tucson, AZ 85713

INFORMATION PHONE: 520-882-6598

EMERGENCY PHONE: CHEMTREC 800-424-9300 (US) Day or night
Customer No. 16568

TRADE NAME: Alumina Lapping Films

CHEMICAL FAMILY: Abrasive

HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

HAZARD RATING:
LEAST: 0 SLIGHT: 1 MODERATE: 2 HIGH: 3 EXTREME: 4

Section 2: Hazard(s) Identification

<table>
<thead>
<tr>
<th>GHS CLASIFICATION:</th>
<th>Not a hazardous substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>PICTOGRAM(s):</td>
<td>N/A</td>
</tr>
<tr>
<td>SIGNAL WORD:</td>
<td>N/A</td>
</tr>
<tr>
<td>HAZARD STATEMENTS:</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>APPROX %</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>20-60</td>
<td>1344-28-1</td>
</tr>
<tr>
<td>Polyester film base</td>
<td>40-80</td>
<td>25038-59-9</td>
</tr>
</tbody>
</table>


Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

Section 4: First-Aid Measures

EYES: Irrigate with large amounts of water; obtain medical assistance, if needed.

SKIN: Wash with soap and water; obtain medical assistance, if needed.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Not applicable.

Section 5: Fire-Fighting Measures

FLASH POINT (TEST METHODS): Not applicable

FLAMMABILITY LIMITS IN AIR, % BY VOLUME: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Not applicable
Section 6: Accidental Release Measures

ACCIDENTAL RELEASE MEASURES: Not applicable

Section 7: Handling and Storage

NORMAL STORAGE AND HANDLING: Handle with adequate ventilation for nuisance dust. See OSHA 29CFR1910-94 (Ventilation) and 29CFR1910-1000 (Air Contamination)

NORMAL USE: Same as above

STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Normal cleanup procedures. Respirators may be required.

WASTE DISPOSAL METHOD: Standard landfill methods consistent with applicable Federal, State and local law.

Section 8: Exposure Controls/ Personal Protection

RESPIRATORY PROTECTION: As needed, approved dust respirator. See OSHA 29CFR1910-134

VENTILATION: Local: Recommended Mechanical (General): Recommended Other: NAIF

PROTECTIVE GLOVES: As desired by user.

EYE PROTECTION: Recommended. See OSHA 29CFR1910.133

OTHER PROTECTIVE EQUIPMENT: NAIF
Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT:</td>
<td>N/A</td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>N/A</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (H₂O = 1)</td>
<td>N/D</td>
</tr>
<tr>
<td>% VOLATILES BY VOLUME</td>
<td>N/A</td>
</tr>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>Various color depending upon grade</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER (% BY VOLUME)</td>
<td>N/A</td>
</tr>
<tr>
<td>SOLUBILITY IN OTHER SOLVENTS</td>
<td>N/A</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR DENSITY</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

STABILITY: Product is stable.

INCOMPATIBILITY (CONDITIONS TO AVOID): Inert

DECOMPOSITION PRODUCTS: Inert
HAZARDOUS POLYMERIZATION
Will not occur.

CONDITIONS TO AVOID
Inert

Section 11: Toxicological Information

INHALATION: Alumina dust may irritate throat and respiratory system, may cause coughing.

SKIN CONTACT: Alumina dust may irritate skin.

EYE CONTACT: Alumina dust may cause irritation.

Potential Health Effects:

LOCAL EFFECTS: N/A

SENSITIZATION: N/A

CHRONIC TOXICITY: N/A

LONG TERM TOXICITY: N/A

SPECIFIC EFFECTS: N/A

Section 12: Ecological Information

MOBILITY: Not relevant

PERSISTENCE/DEGRADABILITY: Not relevant

BIACCUMULATION: Not relevant

ECO-TOXICITY: This product is not expected to be toxic to the environment. Adopt sound working practices so that the product is not released into the environment.
Section 13: Disposal Considerations

Disposed of in accordance with appropriate government regulation.

Section 14: Transportation Information

DOT (CFR49): NOT REGULATED.

IATA (air): NOT REGULATED.

IMDG (ocean): NOT REGULATED.

HAZARD CLASSIFICATION: NON-HAZARDOUS.

PACKING GROUP: NOT REGULATED.

UN/NA CODE: NOT REGULATED.

Section 15: Regulatory Information


CERCLA-SARA HAZARD CATEGORY: This product has been reviewed, and is considered, under applicable definitions, to meet the following categories: NONE

SARA SECTION 313: This production contains the following substances subject to the reporting requirements of Section313 and 40 CFR part 372: NONE

TOXIC CONTROL SUBSTANCES: The chemical substances in this product are on the TSCA Section 8 Inventory: NO COMPONENTS
CONTROL ACT: FOUND.

NEW JERSEY RIGHT-TO-KNOW: The following materials are non-hazardous, but are among the top five component in this product:

Chemical Name: fillers and backing (non-hazardous)
CAS No.: none – mix

PENNSYLVANIA RIGHT-TO-KNOW: The following non-hazardous ingredients are present in the product at greater than 3%:

Chemical Name: fillers and backing (non-hazardous)
CAS No.: none – mix

CALRONIA PROPOSITION 65: No Proposition 65 chemicals known to exist in this product.

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/liter

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings. CANADIAN WHMIS CLASS: NONE

COMPONENT RCRA CLASSIFICATIONS: Not regulated

COMPONENT RCRA CODES: No information

CERCLA RQ VALUE (MINIMUM): None known

Section 16: Other Information

16.1 NFPA 704
Top, Flammability: 0 – Minimal Hazard
Left, Health Hazard: 1 – Slight Hazard
Right, Reactivity: 0 – Minimal Hazard
Bottom, Special Notice: N/A

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DATE REVISED: 5/6/2020  DZ