**PRODUCT IDENTIFICATION**

<table>
<thead>
<tr>
<th>PRODUCT NAME:</th>
<th>EXTRUDER CLEANER</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT PROPER SHIPPING NAME:</td>
<td>N/A</td>
</tr>
<tr>
<td>ID NUMBER:</td>
<td>N/A</td>
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<tr>
<td>DOT HAZARD CLASSIFICATION:</td>
<td>N/A</td>
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</tbody>
</table>

**SECTION I - HAZARDOUS COMPONENTS**

<table>
<thead>
<tr>
<th>Components</th>
<th>Percent</th>
<th>Exposure Limits</th>
<th>Units</th>
<th>Agency</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED HEAVY NAPHTHENIC</td>
<td>7.1</td>
<td>5mg/m3 Oil Mist</td>
<td>OSHA; ACGIH</td>
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<tr>
<td>CAS # 64742-52-5</td>
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<tr>
<td>TITANIUM DIOXIDE</td>
<td>3.6</td>
<td>10mg/m3 (Total Dust)</td>
<td>OSHA</td>
<td>PEL</td>
<td></td>
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<tr>
<td>CAS #13463-67-7</td>
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<td>5mg/m3 (Respirable)</td>
<td>OSHA</td>
<td>PEL</td>
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<tr>
<td>KAOLIN CLAY</td>
<td>11.0</td>
<td>15mg/m3 (Total Dust)</td>
<td>OSHA</td>
<td>PEL</td>
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<tr>
<td>CAS# 1332-58-7</td>
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<td>15mg/m3 (Respirable)</td>
<td>OSHA</td>
<td>PEL</td>
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<tr>
<td>AMORPHOUS SILICA</td>
<td>9.6</td>
<td>6mg/m3 (Total Dust)</td>
<td>OSHA</td>
<td>PEL</td>
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<tr>
<td>CAS #007631-86-9</td>
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</tbody>
</table>

**SECTION II - EMERGENCY & FIRST AID PROCEDURES**

***EMERGENCY***

Have a physician call Los Angeles POISON INFORMATION CENTER (24 hrs.) 1-800-356-3129

**INHALATION:** Not expected to be compound-related effect. Remove to fresh air. If not breathing, give artificial respiration, preferable mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician at once.

**SKIN:** Compound-related effects not expected to require first aid. If any irritation develops or persists, see a physician.

**INGESTION:** Compound-related effects not expected. If ingested, treat symptoms.
SECTION III - HEALTH HAZARDS/ROUTES OF ENTRY

PRIMARY ROUTES OF ENTRY: Inhalation (∗) Skin ( ) Ingestion ( )
∗During hot processing, e.g. curing

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: No applicable information available.

ACUTE HEALTH HAZARDS AND EXPOSURE SYMPTOMS: None known or expected. Ingredients are bound to rubber so inhalation exposure during handling is not a problem. Exposure to volatiles released during hot processing such as curing may cause respiratory nose or eye irritation in some people.

CHRONIC HEALTH HAZARDS AND EXPOSURE SYMPTOMS: Long term inhalation exposure to concentrated hot processing fumes have been reported to reduce lung function and cause chronic bronchitis.

CARCINOGENICITY: Rubber compound not listed by NTP, IARC, OSHA, or otherwise known to be a carcinogen.

SECTION IV - SPECIAL PROTECTION INFORMATION

RESPIRATORY: Not normally needed for routine handling. If curing fumes are a problem, a NIOSH approved air purifying respirator with HEPA filters may be used. Select and use respirators in accordance with OSHA 1910.134 and the respirator manufacturer.

VENTILATION: Good manufacturing practices demands that inhalation of fumes and volatiles from further hot processing of rubber compounds must be avoided. Exhaust ventilation is usually necessary for operations which produce fumes, such as curing. Provide effective exhaust ventilation at all operations capable of producing fumes to prevent routine inhalation.

OTHER PROTECTIVE EQUIPMENT: Gloves are needed when handling hot rubber to prevent burns.

WORK AND HYGIENE PRACTICES: Maintain good personal hygiene when working with rubber compounds. Wash hands and other exposed skin surfaces thoroughly at all breaks and at end of the work shift.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: None known.
INCOMPATIBILITY: No known material to avoid.
HAZARDOUS DECOMPOSITION: Oxides of carbon and sulfur under burning conditions.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None known.
SPILLS: Uncontaminated product may be picked up and used. Contaminated product or used product should be handled as solid waste.

DISPOSAL: Dispose of in accordance with local, state, or federal regulations regarding disposal of polymeric waste.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

STORAGE: Store in cool, dry location.

SECTION VIII - FIRE & EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABLE LIMITS: Not established.
EXTINGUISHING MEDIA: Water, foam, dry chemical, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full body protective clothing and full face piece, self-contained breathing apparatus operated in positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARD: Do not enter confined or enclosed space without proper protective equipment, i.e., self-contained breathing apparatus. Burning may produce oxides of carbon and sulfur.

SECTION IX - PHYSICAL DATA

APPROX. BOILING POINT: N/A
VAPOR DENSITY (AIR = 1): N/A

VAPOR PRESSURE: N/A
EVAPORATION RATE (N-BUTYL ACETATE = 1) N/A

% VOLATILE: N/A
% SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 1.07 APPEARANCE: White

ODOR: Characteristic rubber odor.
DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

PREPARED BY: Marlo Carter