MATERIAL SAFETY DATA SHEET
A-05E

Section 1 - Product Identification

J. WALTER COMPANY LTD.
5977 Transcanada Highway
Pointe-Claire, Quebec
H9R 1C1
Emergency: CANUTEC (613) 996-6666

Trade name: Mounted points, bench grinding wheels
Product name: All Walter vitrified abrasives
Order no.: All 12-D, 12-E
WHMIS Classification: Manufactured article
Controlled under WHMIS: No

Section 2 - Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>% by Weight</th>
<th>LD₅₀/RAT</th>
<th>TLV-TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>60.0 - 80.0</td>
<td>N/A</td>
<td>10mg/m³</td>
</tr>
<tr>
<td>Silicone carbide</td>
<td>409-21-2</td>
<td>1.0 - 5.0</td>
<td>N/A</td>
<td>10mg/m³</td>
</tr>
<tr>
<td>Ceramic bond</td>
<td>N/A</td>
<td>5.0 - 10.0</td>
<td>N/A</td>
<td>10mg/m³</td>
</tr>
</tbody>
</table>

Materials are regulated OSHA 29 CFR 1910, 1200, Hazard Communication Standard. Walter vitrified abrasives are manufactured articles and as such are not considered to be controlled under WHMIS when used in accordance with industry safety standards. Most dust generated will be from the workpiece and not from the grinding wheel.

Section 3 - Physical / Chemical Characteristics

Physical state: Solid
pH: N/A
Specific gravity: >1
Evaporation rate: N/A
Odour & appearance: Characteristic
Boiling point: N/A
Vapour pressure: N/A
VOC g/l: N/A
Freezing point: N/A
Vapour density: N/A
Water solubility: N/A

Section 4 - Fire & Explosion Hazard

Flammability: No
Flashpoint: N/A
Auto ignition temperature: N/A
Flammable limits (%): Upper: N/A Lower: N/A
Extinguishing media: Water, CO₂, chemical
Hazardous combustion products: N/A
Sensitivity to mechanical impact or static discharge: No

Section 5 - Reactivity Data

Chemical stability: Yes
Reactivity conditions: None
Incompatible substances: None
Hazardous decomposition products: None

NFPA Hazard Rating
Flammability
Health
Reactivity
0 = Minimum 1 = Light 2 = Moderate 3 = Serious 4 = Extreme

N/A - Not Applicable
N/A - Not Available
Section 6 - Toxicological Data

Route of entry: Eye and skin contact, inhalation.
Acute exposure effects: Uncontrolled dust can affect eyes, respiration.
Chronic exposure effects: Uncontrolled dust can affect eyes, skin, respiration.
Exposure limits (TLV/TWA): N/Av

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>Mutagenicity</th>
<th>Reproductive toxicity</th>
<th>Teratogenicity</th>
<th>Synergistic effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

If yes to any of the above, specify:

Section 7 - Preventive Measures

Protective equipment: Eyewear, clothing, gloves
Handling procedures: Follow safety standards for grinding.
Waste disposal methods: Dispose as per Municipal, Provincial and Federal regulations.
Leak/spill procedures: N/A
Storage requirements: N/A
Engineering controls: Ensure adequate ventilation.
Handling equipment: N/A
Special shipping information: N/A

Section 8 - First Aid Measures

Skin contact: Rinse thoroughly with soap and water.
Eye contact: Rinse thoroughly with plenty of clean water. Do not remove embedded objects. Consult a physician if necessary.
Inhalation: Remove to fresh air. Consult a physician if necessary.
Ingestion: N/A
Other: Treat scrapes or cuts by cleansing wound. Apply sterile dressing.

Section 9 - Preparation of MSDS

Prepared by: International Product Manager
Telephone: 1-888-592-5837
Date: March 17th, 2010

This data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.