1) CHEMICAL PRODUCT AND COMPANY NAME

**Abrasive Belt**  

**Safety Data Sheet**  

Makita U.S.A., Inc.  
14930-C Northam Street  
La Mirada, CA 90638  
Prepared By: Stan Rodrigues  
Date Revised: 10/11/2018

EMERGENCY CONTACT INFORMATION

Telephone Number for Information: MAKITA: 1-510-657-9881  
Emergency Response  
For Chemical Emergency  
Spills, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada 1-800-424-9300

2) COMPOSITION, INFORMATION OR INGREDIENTS:

<table>
<thead>
<tr>
<th>Mixture / Substance on ingredients</th>
<th>CAS-No.</th>
<th>Content (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mixture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ingredient name</strong></td>
<td><strong>CAS-No.</strong></td>
<td><strong>Content (%)</strong></td>
</tr>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>30-45</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&lt; 2</td>
</tr>
<tr>
<td>Trisodium hexafluoroaluminate</td>
<td>13775-53-6</td>
<td>&lt; 15</td>
</tr>
</tbody>
</table>

Note: The figures shown above are not the specifications of the product. The components not described in this component table are not listed in EU CLP (Classification, labeling and packaging of substances and mixtures/table3-1 ECNO6182012).

3) HAZARD IDENTIFICATION:

GHS classification and label elements of the product  
Classification of the substance or mixture

**HEALTH HAZARDS**
Specific target organ toxicity - repeated exposure: Category 1

**ENVIRONMENT HAZARDS**
Hazardous to the aquatic environment - long-term hazard: Category 3

(Note) GHS classification without description: Not applicable/Out of classification / Not classifiable
3) CONTINUED: HAZARD IDENTIFICATION:

Label elements

Signal word: Danger

HAZARD STATEMENT

H372 Causes damage to organs through prolonged or repeated exposure
H412 Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENT

Prevention
P273 Avoid release to the environment.
P260 Do not breathe dust/fume.
P264 Wash contaminated parts thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Response
P314 Get medical advice/attention if you feel unwell.

Disposal
P501 Dispose of contents/container in accordance with local/national regulation.

4) FIRST AID MEASURE:

Descriptions of first-aid measures

IF INHALED (dust or waste in grinding process)
Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair (dust or waste in grinding process))
Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.

IF IN EYES (dust or waste in grinding process)
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

IF SWALLOWED (dust or waste in grinding process)
Rinse mouth
Call a POISON CENTER or doctor/physician if you feel unwell.
5) Fire-Fighting Measures:

Extinguishing media
Suitable extinguishing media
Use appropriate extinguishing media suitable for surrounding facilities.

Advice for firefighters
Specific fire-fighting measures
Evacuate non-essential personnel to safe area

6) ACCIDENTAL RELEASE MEASURES:

(If released dust or waste in grinding process)

Personnel precautions, protective equipment and emergency procedures
Ventilate area after material pick up is complete.
Wear an air-supplied respirator for a poor/non ventilated spill.
Wear proper protective equipment.

Environmental precautions
Avoid raising dust.

Methods and materials for containment and cleaning up
Sweep up, place in a bag and hold for waste disposal.
Fill the disposal into labeled, closable containers.

7) HANDLING AND STORAGE:

Precautions for safe handling
Preventive measures
(Exposure Control for handling personnel)
Do not breathe dust/fume (in grinding process).
(Protective measures against fire and explosion)
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Safety Measures/Incompatibility
Use personal protective equipment as required.
Use only outdoors or in a well-ventilated area.

Conditions for safe storage, including any incompatibilities
Recommendation for storage
Keep cool. Protect from sunlight.
Store in a dry place.
## 8) EXPOSURE CONTROLS AND PERSONAL PROTECTION:

<table>
<thead>
<tr>
<th>Control parameters</th>
<th>Adopted value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Aluminum oxide)</td>
</tr>
<tr>
<td></td>
<td>ACGIH(2007) TWA: (Insoluble) 1mg/m3 (R) (Pneumoconiosis; LRT irr; neurotoxicity)</td>
</tr>
<tr>
<td></td>
<td>(Titanium dioxide)</td>
</tr>
<tr>
<td></td>
<td>ACGIH(1992) TWA: 10mg/m3 (LRT irr)</td>
</tr>
<tr>
<td>OSHA-PEL</td>
<td>(Aluminum oxide)</td>
</tr>
<tr>
<td></td>
<td>TWA: 15mg/m3 (Total dust)</td>
</tr>
<tr>
<td></td>
<td>TWA: 5mg/m3 (Respirable fraction)</td>
</tr>
<tr>
<td></td>
<td>(Titanium dioxide)</td>
</tr>
<tr>
<td></td>
<td>TWA: 15mg/m3</td>
</tr>
<tr>
<td>NIOSH-REL</td>
<td>(Aluminum oxide)</td>
</tr>
<tr>
<td></td>
<td>See Appendix D</td>
</tr>
<tr>
<td></td>
<td>(Titanium dioxide)</td>
</tr>
<tr>
<td></td>
<td>Ca (ultrafine particles); TWA: 2.4 mg/m3 (fine);</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.3 mg/m3 (ultrafine);</td>
</tr>
<tr>
<td></td>
<td>See Appendix A; See Appendix C</td>
</tr>
</tbody>
</table>

### Exposure controls
- **Appropriate engineering controls**
  - Exhaust/ventilator should be available.
  - Washing facilities should be available.

### Individual protection measures
- **Respiratory protection**
  - Wear respiratory protection.

- **Hand protection**
  - Wear protective gloves.

- **Eye protection**
  - Wear eye/face protection.

- **Skin and body protection**
  - Wear protective clothing.

### Safety and Health measures
- Do not get in eyes, on skin, or on clothing.
- Wash … thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wash hands thoroughly after handling.
9) PHYSICAL AND CHEMICAL PROPERTIES:

Information on basic physical and chemical properties

Physical properties
  Appearance: Solid (The grinding materials are adhered/fixed on film.)
  Flammability (solid, gas): Flammable

10) STABILITY AND REACTIVITY:

Chemical stability
  Stable under normal storage/handling conditions.

11) TOXICOLOGICAL INFORMATION:

Information on toxicological effects
No Acute toxicity data available
No Irritant properties data available
No Allergenic and sensitizing effects data available
No Mutagenic effects data available
Carcinogenicity
  (Titanium dioxide)
    IARC-Gr.2B : Possibly carcinogenic to humans
  (Aluminum oxide)
  (Titanium dioxide)
    ACGIH-A4 (1992) : Not Classifiable as a Human Carcinogen
No Teratogenic effects data available
No reproductive toxicity data available
No STOT-single/repeated exposure data available
No Aspiration hazard data available

12) ECOLOGICAL INFORMATION:

Ecotoxicity
  Aquatic toxicity
    Harmful to aquatic life with long lasting effects
  Water solubility
    (Aluminum oxide)
      none (ICSC, 2000)
    (Titanium dioxide)
      none (ICSC, 2002)
12) CONTINUED: ECOLOGICAL INFORMATION:
No Persistence and degradability data available
No Bioaccumulative potential data available
No Mobility in soil data available
Ozone depleting chemical data not available

13) DISPOSAL CONSIDERATIONS:
Waste treatment methods
Avoid release to the environment (if this is not the intended use).
Dispose of contents/container in accordance with local/national regulation.
Do not dump into sewers, on the ground or into any body of water.

14) TRANSPORT INFORMATION:
UN No, UN CLASS
Not applicable to UN NO.
Environmental hazards
MARPOL Annex V - Substances Harmful to Marine Environment
   Specific target organ toxicity - repeated exposure: Cat.1
   Trisodium hexafluoroaluminate
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
   Noxious Liquid; Cat. Z
   Titanium dioxide

15) REGULATORY INFORMATION:
Safety, health and environmental regulations/legislation specific for the substance or mixture
US major regulations
   TSCA
      Aluminum oxide; Titanium dioxide; Trisodium hexafluoroaluminate
Other regulatory information
   We are not able to check up other regulatory information in regard to the substances in your country or region, therefore we request this matter would be filled by your responsibility.

16) OTHER INFORMATION:
GHS classification and labeling
   STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure
   Aquatic Chronic 3: H412 Harmful to aquatic life with long lasting effects
16) CONTINUED: OTHER INFORMATION:

<table>
<thead>
<tr>
<th>Reference Book</th>
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<tbody>
<tr>
<td>Globally Harmonized System of classification and labeling of chemicals, (5th ed., 2013), UN</td>
</tr>
<tr>
<td>Recommendations on the TRANSPORT OF DANGEROUS GOODS 19th edit., 2015 UN</td>
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<tr>
<td>Classification, labeling and packaging of substances and mixtures (table3-1 ECNO6182012)</td>
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<tr>
<td>2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)</td>
</tr>
<tr>
<td>2018 TLVs and BEIs. (ACGIH)</td>
</tr>
<tr>
<td><a href="http://monographs.iarc.fr/ENG/Classification/index.php">http://monographs.iarc.fr/ENG/Classification/index.php</a></td>
</tr>
<tr>
<td>Supplier's data/information</td>
</tr>
<tr>
<td>GESTIS-Stoffdatenbank</td>
</tr>
<tr>
<td>Pub Chem (OPEN CHEMISTRY DATABASE)</td>
</tr>
<tr>
<td>General Disclaimer</td>
</tr>
<tr>
<td>This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It is advised to make one's own tests to determine the safety and suitability of each such product or combination for their own purposes.</td>
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