

## Section 1. Chemical Product and Company Name

**Cut- Off Wheel**  
**Part No. 724504-5**

## Safety Data Sheet

Complies with the OSHA Hazard  
Communication Standard:  
29 CFR 1910 1200

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## 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

## Section 2. Hazards Identification

<b>Health hazard</b>	Prolonged inhalation of dust particles generated during grinding operations may increase risk of pneumoconiosis.
<b>Environmental hazard</b>	Dust generated during grinding operations may contaminate the work environment.

## Section 3. Composition/ Information on Ingredients

Distinction of chemicals and mixture :		
Components	CAS Number	Concentration (weight %)
Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	66~76 %
Trisodium hexafluoro aluminate (Na <sub>3</sub> AlF <sub>6</sub> )	13775-53-6, 15096-52-3	4~8 %
Resin hardening thing · Others	-	20 % or more

## Section 4. First Aid Measures

<b>Inhalation:</b>	If dust is inhaled, remove the person to fresh air immediately. If necessary, seek medical attention.
<b>Skin Contact:</b>	If skin contact occurs, scrub with soap and water.
<b>Eye Contact:</b>	If dust enters the eyes, flush with water immediately without rubbing.
<b>Ingestion:</b>	If swallowed, drink plenty of water and induce vomiting. If necessary, seek medical attention.

## Section 5. Fire Fighting Measures

<b>Extinguishing Media:</b>	This product is not combustible. Use appropriate extinguishing media suitable for surrounding facilities.
<b>Unusual Fire and Explosion Hazards:</b>	N.A.
<b>Special Fire Fighting Procedures:</b>	N.A.

## Section 6. Accidental Release Measures

<b>Personal precautions:</b>	If dust enters the eyes, flush with water for several minutes.
<b>Protection equipment and emergency measures:</b>	Wear protective safety equipment to avoid dust inhalation (Safety glasses, dust masks, etc.)
<b>Environmental precautions:</b>	N.A.
<b>Methods for cleaning up:</b>	Follow normal clean up procedure.

## Section 7. Handling and Storage

<b>Technical measures:</b>	Use appropriate safety equipment.
<b>Local Exhaust- Whole Ventilation:</b>	Manage dust properly by using an exhaust ventilation system.
<b>The container packing material:</b>	Use material which will absorb the impact of handling and storage.
<b>Storage conditions:</b>	Store at room temperature and normal humidity.
<b>Technical measures for safe storage:</b>	Proper storage procedures should be followed.

## Section 8. Exposure Controls/ Personal Protection

<b>Exposure Limit:</b>	Type: Class 2-Dust Respirable Dust: 1mg/m <sup>3</sup> Total Dust: 4mg/m <sup>3</sup>
<b>Engineering Controls:</b>	For dust set up dust collector, or ventilation system if necessary.
<b>Respiratory protection:</b>	Dust mask which passes the national test.
<b>Hand protection:</b>	Wear protective spark proof gloves.
<b>Eye protection:</b>	Wear protective goggles/ face shield.
<b>Protection clothes:</b>	Wear spark proof protective clothing.
<b>Others:</b>	Noise reducing ear plugs, helmets, safety shoes, etc.

## Section 9. Physical and Chemical Properties

<b>Solubility in Water:</b>	Insoluble (※1)	<b>Melting Point</b>	No data available
<b>Appearance and Odor</b>	Solid/ Odorless	<b>Flash Point</b>	No data available
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	1.2 - 4.1		

※ Boron compound and fluorine compound are slightly soluble.

### Section 10. Stability and Reactivity

<b>Stability</b>	Stable under normal use
<b>Incompatibility (Materials to Avoid)</b>	N.A.
<b>Hazardous Decomposition Products</b>	N.A.
<b>Hazardous Reaction</b>	Stable
<b>Hazardous Polymerization</b>	Will Not Occur

### Section 11. Toxicological Information

If dust particles are inhaled for a long period of time during grinding operation, there is an increased risk of suffering from Pneumoconiosis. (Please refer to attached sheet, allocation of label elements)

### Section 12. Ecological Information

<b>Persistence and degradability</b>	N.A.
<b>Bio accumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Other adverse effects</b>	No data available

### Section 13. Disposal Considerations

Dispose of waste and residue in accordance with requirement of each country and local government.

### Section 14. Transport Information

The product is not regulated by international regulation on the transport of dangerous goods.

### Section 15. Regulatory Information

Observe safety, health, and environmental regulations specific for the product in question.

### Section 16. OTHER INFORMATION

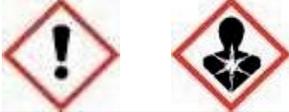
Reference:

1) "Globally Harmonized System of Classification and Labeling of Chemicals (GHS)", United Nations.

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## Allocation of label Elements

Chemical substance name	Aluminum oxide	Trisodium hexafluoro aluminate
<b>Physical Hazards</b>		
Explosives	Not Applicable	Not Applicable
Flammable gases	Not Applicable	Not Applicable
Aerosols	Not Applicable	Not Applicable
Oxidizing gases	Not Applicable	Not Applicable
Gases under pressure	Not Applicable	Not Applicable
Flammable liquids	Not Applicable	Not Applicable
Flammable solids	Not Classified	Not Classified
Self-reactive substances and mixtures	Not Applicable	Not Applicable
Pyrophoric liquids	Not Applicable	Not Applicable
Pyrophoric solids	Not Classified	Not Classified
Self-heating substances and mixtures	Not Classified	Not Classified
Substances and mixtures which in contact with water emit flammable gases	Not Classified	Not Classified
Oxidizing liquids	Not Applicable	Not Applicable
Oxidizing solids	Not Classified	Classification not possible
Organic peroxides	Not Applicable	Not Applicable
Corrosive to metals	Classification not possible	Classification not possible
<b>Health Hazards</b>		
Acute toxicity: Oral	Not classified	Not classified
Acute toxicity: Dermal	Classification not possible	Classification not possible
Acute toxicity: Inhalation	Not applicable	Not applicable
Acute toxicity: Vapors	Classification not possible	Not applicable
Acute toxicity: Dusts	Classification not possible	Category 4
Acute toxicity: Mists	Classification not possible	Category 4
Skin corrosion, irritation	Classification not possible	Not classified
Serious eye damage, eye irritation	Classification not possible	Category 28
Respiratory sensitization	Classification not possible	Classification not possible
Skin sensitization	Classification not possible	Classification not possible
Germ cell mutagenicity	Classification not possible	Classification not possible
Carcinogenicity	Not classified	Classification not possible
Reproductive toxicity	Classification not possible	Classification not possible
Specific target organ toxicity-single exposure	Category 3 (Respiratory tract irritation)	Category 2 (Respiratory organ, liver)
Specific target organ toxicity-repeated exposure	Category 1 (inhalation lung)	Category 1 (Nervous system, bone, tooth, lung, liver, kidney, stomach)
Aspiration hazard	Classification not possible	Classification not possible
<b>Environmental Hazards</b>		
Short-term (Acute) Hazardous to the aquatic environment	Classification not possible	Category 2
Long-term (Chronic) Hazardous to the aquatic environment	Classification not possible	Category 2
Hazardous to the ozone layer	Classification not possible	Classification not possible

<b>Hazard Communication Standard (HCS) 2012</b>		
Pyrophoric gases	Not classified	Not classified
Suffocation pill	Classification not possible	Classification not possible
Flammable dust	Classification not possible	Classification not possible
<b>GHS label elements</b>		
Symbol		
Signal word	Danger	Danger
Hazard statement	May cause respiratory irritation. (Respiratory tract irritation) Cause damage to organs (lungs) through prolonged or repeated exposure.	Toxic to aquatic life. Toxic to aquatic life with long lasting effects. Harmful if inhaled. Causes eye irritation. May cause damage to organs. (Respiratory organ, liver) Cause damage to organs through prolonged or repeated exposure. (Nervous system, bone, tooth, lung, liver, kidney, stomach)