1) CHEMICIAL PRODUCT AND COMPANY NAME

Abrasive Belt
Part No. A-34447, A-34453, A-34469, A-34481, A-34475, A-95744, A-95750, A-95853

Safety Data Sheet

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

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:

Mixture / Substance on ingredients

Mixture

Ingredient name	CAS-No.	Content (%)
Aluminum oxide	1344-28-1	30-45
Titanium dioxide	13463-67-7	< 2
Trisodium hexafluoroaluminate	13775-53-6	< 15

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:

Control parameters

Adopted value

(Aluminum oxide)

ACGIH(2007) TWA: (Insoluble)1mg/m3(R) (Pneumoconiosis; LRT irr; neurotoxicity)

(Titanium dioxide)

ACGIH(1992) TWA: 10mg/m3 (LRT irr)

OSHA-PEL

(Aluminum oxide)

TWA: 15mg/m3 (Total dust)

TWA: 5mg/m3 (Respirable fraction)

(Titanium dioxide)

TWA: 15mg/m3

NIOSH-REL

(Aluminum oxide)

See Appendix D

(Titanium dioxide)

Ca(ultrafine particles); TWA: 2.4 mg/m3 (fine);

TWA: 0.3 mg/m3 (ultrafine);

See Appendix A; See Appendix C

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)

ACGIH-A4 (2007) : Not Classifiable as a Human Carcinogen

(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:

Reference Book

Globally Harmonized System of classification and labeling of chemicals, (5th ed., 2013), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 19th edit., 2015 UN

Classification, labeling and packaging of substances and mixtures (table3-1 ECNO6182012)

2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2018 TLVs and BEIs. (ACGIH)

http://monographs.iarc.fr/ENG/Classification/index.php

Supplier's data/information

Hazard Communication Standard - 2012 (29 CFR 1910.1200)

GESTIS-Stoffdatenbank

Pub Chem (OPEN CHEMISTRY DATABASE)

General Disclaimer

The GHS classification data given here is based on EU CLP - 2018 & US Hazard Communication Standard - 2012.

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 determinate the safety and suitability of each such product or combination for their own purposes.