

SAFETY DATA SHEET

Date Issued: September 16, 2019

Item No: WAK 1 7 2 2 9 A-X C 8 0 B

Section I - Identification and Emergency Information

Manufacturer's Name	Noritake Coated Abrasive Co., Ltd
Address (Street, Ward, City, Pref., Zip, Country)	Azabu-cho, Miyoshi-City, Aichi-Pref, 470-0206 Japan
Trade Name	Coated Abrasive Cloth
Emergency Telephone No.	81-561-32-2235

Section II-Hazards Identification

Human health	The hazardous properties of the product are considered limited.
Environment	The product is not expected to be hazardous to the environment.

GHS classification: Please refer to the attached sheet.

Section III- Composition/Information on ingredients

The product contain the following ingredients

name	Contents (by weight)	CAS Number
Aluminum oxide (Al_2O_3)	20-40%	1344-28-1
Potassium tetrafluoroborate (KBF_4)	10-15%	14075-53-7
Trisodium hexafluoroaluminate (Na_3AlF_6)	10-15%	13775-53-6
others	35-60%	—

Section IV-First-Aid measures

Inhalation	If uncomfortable during-raising work : Move into fresh air and keep at rest.
Skin contact	If uncomfortable during-raising work: Remove contaminated clothes and rinse skin thoroughly with water.
Eye contact	If uncomfortable during-raising work , flush with plenty of water for up to 15 minutes.
Ingestion	Not likely, due to form of the product

Section V - Fire fighting measures

Toxic fumes may occur, Use respiratory protective equipment.

Extinguishing Media : water, foam, sand powder or CO₂
as appropriate for surrounding materials.

Section VI - Accidental release measures

Personal precautions	Avoid inhalation of dust.
Environmental precautions	Not relevant because of the use.
Methods for cleaning up	Not relevant.

Section VII - Handling and storage

Safe handling advice	Avoid inhalation of dust. Observe good chemical hygiene practices.
Technical measures	Work practice should minimize contact.
Technical precautions	Local exhaust is recommended.
Technical measures for safe storage	No special precautions.
Storage conditions	Store flat in a dry place.

Section VIII - Exposure controls/Personal protection

Keep exposure to the following components under surveillance

name	Concentration limits	CAS Number
Aluminum oxide (Al ₂ O ₃)	1mg/m ³	1344-28-1
Potassium tetrafluoroborate (KBF ₄)	2.5mg/m ³ (as F)	14075-53-7
Trisodium hexafluoroaluminate (Na ₃ AlF ₆)	2.5mg/m ³ (as F)	13775-53-6

Exposure controls

Respiratory equipment	The dust collector is set up as a dust measures, or the entire exhaust is executed if necessary.
Personal protection	During dust-rasing work: Dust mask/respirator.
Hand protection	Wear protective gloves.
Eye protection	Risk of contact: Wear goggles/face shield
Skin protection	No special precautions.
Environmental Exposure Controls	Not available

Section IX – Physical and Chemical properties

Boiling Point	N. A.	Specific Gravity (H ₂ O = 1)	N. A.
Vapor Pressure (mm Hg)	N. A.	Percent Volatile by Weight (%)	N. A.
Vapor Density (Air = 1)	N. A.	Evaporate Rate	N. A.
Solubility in Water	Insoluble	PH	N. A.
Appearance and Odor	Colored/Solid		

Section X- Stability and Reactivity

Stability : Coted Abrasives are stable when handled or stored.

Reactivity

Condition to avoid : No decomposition in normal use.

Materials to avoid : No dangerous reactions known.

Hazardous decomposition

: At temperatures exceeding 250°C hazardous or toxic decomposition products may be generated.

Section X I -Toxicological Information

Refer attached hazardous information of component for pure substance.

Section X II -Ecological information

Mobility	Not relevant
Degradability	Not relevant
Ecotoxicity	The product is not expected to be hazardous to the environment.
Bioaccumulative potential	No data available on bioaccumulation.
Other adverse effects	None known

Section X III-Disposal considerations

Dispose of waste and residues in accordance with each country requirements.

Section X IV-Transport information

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

Section X V-Regulatory information

Observe local/regional/national/international regulations.

Section X V I-Other Information

We referred to the ACGIH material.

The information and recommendation contained herein are to the best of NORITAKE'S knowledge and belief, accurate and reliable as of the date issued. NORITAKE does not warrant or guarantee their accuracy or reliability and NORITAKE shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user' s consideration and examination, and it is the user' s responsibility to satisfy itself that they are suitable and complete for its particular use.

* N.A. means Not Applicable *

Allocation of label elements

It marks the corresponding material.	○	○	○
	Aluminium oxide	Trisodium hexafluoroaluminate	Potassium tetrafluoroborate

Physical Hazards

Explosives	Not applicable	Not applicable	Not applicable
Flammable gases	Not applicable	Not applicable	Not applicable
Aerosols	Not applicable	Not applicable	Not applicable
Oxidizing gases	Not applicable	Not applicable	Not applicable
Gases under pressure	Not applicable	Not applicable	Not applicable
Flammable liquids	Not applicable	Not applicable	Not applicable
Flammable solids	Not classified	Not classified	Not classified
Self-reactive substances and mixtures	Not applicable	Not applicable	Not applicable
Pyrophoric liquids	Not applicable	Not applicable	Not applicable
Pyrophoric solids	Not classified	Not classified	Not classified
Self-heating substances and mixtures	Not classified	Not classified	Not classified
Substances and mixtures, which in contact with water, emit flammable gases	Not classified	Not classified	Not classified
Oxidizing liquids	Not applicable	Not applicable	Not applicable
Oxidizing solids	Not classified	Classification not possible	Classification not possible
Organic peroxides	Not applicable	Not applicable	Not applicable
Corrosive to metals	Classification not possible	Classification not possible	Classification not possible




Health Hazards

Acute toxicity: Oral	Not classified	Not classified	Category 3
Acute toxicity: Dermal	Classification not possible	Classification not possible	Classification not possible
Acute toxicity: Inhalation	Not applicable	Not applicable	Not applicable
Acute toxicity: Vapors	Classification not possible	Not applicable	Classification not possible
Acute toxicity: Dusts	Classification not possible	Category 4	Classification not possible
Acute toxicity: Mists	Classification not possible	Category 4	Classification not possible
Skin corrosion, irritation	Classification not possible	Not classified	Category 1
Serious eye damage, eye irritation	Classification not possible	Category 2B	Category 2A
Respiratory sensitization	Classification not possible	Classification not possible	Classification not possible
Skin sensitization	Classification not possible	Classification not possible	Classification not possible
Germ cell mutagenicity	Classification not possible	Classification not possible	Classification not possible
Carcinogenicity	Not classified	Classification not possible	Classification not possible
Reproductive toxicity	Classification not possible	Classification not possible	Classification not possible
Specific target organ toxicity—single exposure	Category 3 (Respiratory tract irritation)	Category 2 (respiratory organ, liver)	Category 3 (Respiratory tract irritation)
Specific target organ toxicity—repeated exposure	Category 1 (inhalation lung)	Category 1 (nervous system, bone, tooth, lung, liver, kidney, stomach)	Category 1 (bone, tooth)
Aspiration hazard	Classification not possible	Classification not possible	Classification not possible

Environmental Hazards

Short-term (Acute) Hazardous to the aquatic environment	Classification not possible	Category 2	Not classified
Long-term (Chronic) Hazardous to the aquatic environment	Classification not possible	Category 2	Not classified
Hazardous to the ozone layer	Classification not possible	Classification not possible	Classification not possible

GHS label elements

Symbol			
Signal word	Danger	Danger	Danger
Hazard statement	May cause respiratory tract irritation. (respiratory tract irritation) Cause damage to organs through prolonged or repeated exposure. (lung)	Toxic to aquatic life. Toxic to aquatic life with long lasting effects. Harmful if inhaled. Causes eye irritation. May cause damage to organs.	Causes serious eye irritation. May cause respiratory irritation. (respiratory tract irritation) Cause damage to organs through prolonged exposure.