

SAFETY DATA SHEET
In accordance with ISO 11014: 2009

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product name Daiwa Rabin (CM Type)

Manufacture/supplier

Manufacture/supplier Daiwa Kasei Kogyo Co., Ltd.
Department in Charge Development department
Address 2-1-8, Inari, Souka-shi, Saitama, 340-0003
Telephone number +81-48-936-8684
Fax number +81-48-936-8655
e-mail address
Emergency telephone number +81-48-936-8684

Recommended use and restriction on use

For polishing

Section 2: HAZARDS IDENTIFICATION

Important hazards

GHS classification

Physical Hazards Not classified

Health Hazards

Specific target organ toxicity
(single exposure): Category 3 (Respiratory tract irritation)

Specific target organ toxicity
(repeated exposure): Category 1 (Lungs)

Environmental Hazards Not classified

Label Elements

Pictogram



Signal word

Danger

Hazard Statements

May cause respiratory irritation
Causes damage to organs (Lungs) through prolonged or repeated exposure

Precautionary Statements

[Prevention]

Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands thoroughly after handling.

[Emergency response]	Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing.
[Storage]	Get medical advice/attention if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
[Disposal]	Dispose of contents/ container in accordance with related laws and local/ regional regulations.

Other hazards

No information

Important symptoms and an outline of an anticipated emergency

May cause respiratory irritation.

Causes damage to organs (Lungs) through prolonged or repeated exposure.

Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Compositions

Chemical name/ Generic name	CAS number	Concentration (wt %)
Phenol resin	9003-35-4	2 - 5
Aluminium oxide	1344-28-1	60 - 75
Other	-	10 - 35

Section 4: FIRST-AID MEASURES

First aid procedures

IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue, call a POISON CENTER or doctor/physician.
IF ON SKIN	Wash with plenty of water. If symptoms continue, call a POISON CENTER or doctor/physician.
IF IN EYES	Immediately rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue, call a doctor/physician.
IF SWALLOWED	Rinse mouth. Get medical advice immediately. If unconscious, do not give anything by mouth. Do not induce vomiting.

Anticipated acute effects, anticipated delayed effects and most important symptoms/effects

May cause respiratory irritation.

Causes damage to organs (Lungs) through prolonged or repeated exposure.

Protection of first-aiders

Wear appropriate eyes and skin protective equipment.

Note to an attending physician

No information

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use spray water or dry extinguishant.

Unsuitable extinguishing media

Applying direct water may be dangerous because fire may expand to surroundings.

Specific hazards arising from the chemical

As a general precaution, note that powdery material has the potential to cause dust explosion under certain conditions.

Cut off any ignition sources and extinguish the fire with an appropriate agent.

Cool the surrounding tank and the buildings with direct water jet to avoid risk of fire spreading.

Take action from windward.

Keep out except responsible personnel.

Move container to a safe area if it can be done without risk.

Protective equipment and precautions for firefighters

Wear suitable self-contained breathing apparatus and heat resistant protective clothing for eyes and skin.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep out except responsible personnel.

Wear appropriate personal protective equipment described in section "Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION" so as to prevent inhalation and exposure of eyes or skin.

Environmental precautions

Avoid release into the environment because product may cause local effects.

Methods and materials for containment and cleaning up

Sweep up scattered materials or vacuum them using a vacuum cleaner so as not to cause dust then collect them into an empty container.

Do not eat or drink near handling and storage locations.

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

Prevent contaminants from flowing into drains, sewers, basements or closed areas.

Secondary disaster prevention measures

No information

Section 7: HANDLING AND STORAGE

Handling

Technical measures	Wear suitable protective equipment according to Section 8.
Precautions such as local/total ventilation	Handle the product in a well-ventilated area. In case of mist/vapours generation, use local ventilation.
Precautions for safe handling	Use the product at or below the specified number of revolutions. Install the product in the tool and then rotate the tool at low speed to ensure that there are no abnormalities such as shaking. As this product is an elastic grinding stone, it may be damaged depending on the load imposed by the use even at or below the specified number of revolutions.
Prevention of contact	Incompatible materials

Storage

Technical measures	In the storage area, install adequate light and ventilation systems to handle hazardous materials.
Incompatible materials and mixtures	No information
Conditions for safe storage	Store the product indoors at normal temperature and humidity, away from direct sunlight and rainwater. With long-term storage (two years or longer), the product may deteriorate and decrease in strength.
Packing material	As the product is an elastic grinding stone, store it in a rigid container.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration

Occupational Exposure Limits

ACGIH TLV-TWA (2016)	1 mg/m ³ (Respirable fraction) (Aluminium, metal and insoluble compounds)
ACGIH TLV-STEL (2016)	Not applicable

Engineering controls

In a work place where dusts generate, ensure to use sealed instrument or local ventilation.

Personal protective equipment

Respiratory protection	If dust generates, wear appropriate protective mask or air aspirator as required.
Hand protection	If hand contact is possible, wear protective gloves.
Eye protection	If it is possible the product may get into eyes, wear safety glasses or goggles.

Skin and body protection

Wear protective clothing and apron if necessary.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, form and colour)	The product is a solid cylinder, disk or other shape, and it is shaped by adhering to the axis, cored bar, or others when necessary.
Odour	No information
Odour threshold	No information
pH	No information
Melting point/ freezing point	No information
Boiling point, initial boiling point and boiling range	No information
Flashpoint	No information
Evaporation rate	No information
Flammability	The product is not combustible except when dust is produced after it starts being used.
Upper/lower explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Specific gravity	No information
Solubility	No information
<i>n</i> -octanol/water partition coefficient	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information
Other information	No information

Section 10: STABILITY AND REACTIVITY

Chemical stability	The product is stable and does not deteriorate; it is not self-reactive or explosive.
Hazardous reactions	No hazardous reaction expected under normal handling.
Conditions to avoid	Store the product indoors at normal temperature and humidity, away from direct sunlight and rainwater.
Incompatible materials	No information
Hazardous decomposition products	In case of fire, toxic decomposition products may be generated.

Section 11: TOXICOLOGICAL INFORMATION

Toxicological information for product No information

Toxicological information for ingredients

Aluminium oxide

Acute toxicity (oral):	Rat LD ₅₀ > 5,000 mg/kg
Specific target organ toxicity (single exposure):	Upper respiratory tract irritation has been reported.

Section 16: OTHER INFORMATION

Reference

Information of Daiwa Kasei Kogyo Co., Ltd.

ACGIH, American Conference of Governmental Industrial Hygienists (2016) TLVs and BEIs.

[Disclaimer]

This SDS has been prepared on the basis of laws, regulations and information available at this time. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.