

SAFETY DATA SHEET

Issue date: 19-June-2020 Revision date: 22-November-2021 Version #: 01.1

1. Chemical and company identification

Name of chemical (Product

name)

Mowital

334674

Company nameKuraray Co., Ltd.AddressTokiwabashi Tower

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Emergency Telephone

Number

+81-3-6701-1422 or + 81-3689-08677

Recommended use of the chemical and restrictions on use

Intended use For industrial use only. Additive/binder for primer. Coatings. Lacquer. Printing ink.

2. Hazards identification

Access code

GHS classification

The product is not classified according to GHS.

GHS label elements

Symbols None.
Signal words None.

Hazard statement The substance does not meet the criteria for classification.

Precautionary statement

Prevention Use personal protective equipment as required.

Response No specific first aid measures noted.

Storage Store in a dry area. Store in a closed container. Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Other hazards which do not

result in classification

Fine particles may form explosive mixtures with air. Prevent dust accumulation to minimize explosion hazard. This material does not ignite easily; however, feasible precautions against dust

explosion are recommended.

Main symptoms and emergency overview

Main symptoms Dusts may irritate the respiratory tract, skin and eyes.

Emergency overview Dusts may irritate the respiratory tract, skin and eyes. Exposed individuals may experience eye

tearing, redness, and discomfort. Liberated dust may irritate throat and respiratory system and

cause coughing. Prolonged contact may cause dryness of the skin.

3. Composition/information on ingredients

Substance or mixture Substance

Gazette notification

Components CAS Number ENCS no. ISHL no. Concentration (%)

Polyvinyl acetal 70775-95-0 > 97

Synonym(s) Product grades covered by this safety data sheet see below:

BA 20 S, BA 55HH

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in

percent by volume.

4. First aid measures

If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a

physician if symptoms develop or persist.

If on skinWash off with soap and water. Get medical attention if irritation develops and persists. **If in eyes**Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.

If swallowed Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

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Most important

symptoms/effects, acute and

delayed

Contact with dust: Irritation of eyes and mucous membranes. Coughing.

Protection of first-aid

Notes to physician

responders

If you feel unwell, seek medical advice (show the label where possible).

Provide general supportive measures and treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Water fog. Foam. Dry powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid

creating airborne dust. Use fire-extinguishing media appropriate for surrounding materials.

Extinguishing media to avoid

Specific hazards

Do not use a solid water stream as it may scatter and spread fire.

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of

an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may

be formed.

Special fire fighting

procedures

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in **Protection of fire-fighters**

the workplace. Self-contained breathing apparatus and full protective clothing must be worn in

case of fire.

General fire hazards

The product is not flammable. The product may form dust and can accumulate electrostatic charges, which may cause an electrical spark (ignition source). Use proper grounding procedures.

6. Accidental release measures

Personal precautions, protective equipment and emergency measures

Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment.

Environmental precautions

Methods or materials for containment and cleaning up

Prevention of secondary hazards

Environmental manager must be informed of all releases.

Avoid dust formation. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Do not use compressed air when cleaning. For waste disposal, see section 13 of the SDS.

Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation)

Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Explosion-proof general and local exhaust ventilation.

Safe handling advice

Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Provide appropriate exhaust ventilation at places where dust is formed. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges when there is a risk of dust explosion.

Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid inhalation of dust and contact with skin and eyes. Wash hands after handling.

Contact avoidance measures

Strong oxidizing agents. Strong acids. For further information, please refer to section 10 of the

SDS.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Routinely wash work

clothing and protective equipment to remove contaminants.

Storage

Safe storage conditions

Store in original tightly closed container. Store in a cool, dry, well-ventilated place. Store away from

incompatible materials (see Section 10 of the SDS). Read and follow manufacturer's

recommendations.

Store in original tightly closed container. Safe packaging materials

8. Exposure controls/personal protection

Occupational exposure limits

Japan OELs - JSOH

Components	Туре	Value	Form
Dust	TWA	8 mg/m3	Total dust.

Components	Туре	Value	Form
		2 mg/m3	Respirable dust.
ACGIH			
Components	Туре	Value	Form
Dust	TWA	10 mg/m3	Inhalable particles.
US. ACGIH Threshold Limit Values			
Components	Туре	Value	Form
Dust	TWA	3 mg/m3	Respirable particles

Engineering measures

Provide sufficient ventilation for operations causing dust formation. Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment

with particle filter.

Hand protection Wear protective gloves.

Eye protection Risk of contact: Wear approved safety goggles.

Wear suitable protective clothing. It is a good industrial hygiene practice to minimize skin contact. Skin and body protection

9. Physical and chemical properties

Appearance

Solid. **Physical state Form** Powder. Color Colorless. Odorless. Odor Not available. Melting point/Freezing point Boiling point, initial boiling Not applicable point, and boiling range

Combustion characteristics (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available. Flash point Not applicable. **Auto-ignition temperature** Not applicable. **Decomposition temperature** Not available. Not applicable. pН

Viscosity (Coefficient of

viscosity)

Not available.

Solubility(ies)

Not available. Solubility (water) Partition coefficient No data available.

(n-octanol/water)

Not applicable. Vapor pressure Vapor density Not applicable. **Evaporation rate** Not applicable.

Other information

Bulk density Not available.

1.10 (20°C) Approximate. **Density**

Dust explosion properties

St class

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

Percent volatile < 2.5 % w/w

10. Stability and reactivity

ReactivityThe product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust

generation and accumulation.

Incompatible materials Strong acids. Strong oxidizing agents.

Hazardous decomposition

products

Carbon oxides.

11. Toxicological information

Acute toxicity Not expected to be acutely toxic.

Skin corrosion/irritationBased on available data, the classification criteria are not met. **Serious eye damage/eye**Based on available data, the classification criteria are not met.

irritation

Respiratory or skin sensitization

Respiratory sensitization Due to partial or complete lack of data the classification is not possible.

Skin sensitizationBased on available data, the classification criteria are not met.Germ cell mutagenicityBased on available data, the classification criteria are not met.CarcinogenicityBased on available data, the classification criteria are not met.Reproductive toxicityBased on available data, the classification criteria are not met.

Specific target organ toxicity -

single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity -

repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard Due to the physical form of the product it is not an aspiration hazard.

Other information Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease

might be aggravated by exposure.

12. Ecological information

EcotoxicityBased on available data, the classification criteria are not met for hazardous to the aquatic

environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulation The product is not expected to bioaccumulate.

Mobility in soil No data available.

Hazardous to the ozone layer Not hazardous to the ozone layer.

Other hazardous effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Residual wasteDispose of in accordance with local regulations.Contaminated packagingDispose of in accordance with local regulations.Local disposal regulationsDispose of in accordance with local regulations.

14. Transport information

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and

Not applicable.

the IBC Code

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15. Regulatory information

Industrial Safety and Health Act

Notifiable substances

Not regulated.

Labeling substances

Not regulated.

Poisonous and Deleterious Substances Control Act

Specified poisonous substances

Not regulated.

Poisonous substances

Not regulated.

Deleterious substances

Not regulated.

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Class I specified chemical substances

Not regulated.

Class II specified chemical substances

Not regulated.

Monitoring chemical substances

Not regulated.

Priority Assessment Chemical Substances (PACs)

Not regulated.

Law concerning Pollutant Release and Transfer Register

Specified class 1 substances (substance name, ordinance number and content)

Not regulated.

Class 1 substances (substance name, ordinance number and content)

Not regulated.

Class 2 substances (substance name, ordinance number and content)

Not regulated.

Not regulated.

Fire Service Act Designated combustible material (Synthetic resins, others) (Storage limit: 3000 kg)

Ship Safety Law, Dangerous Goods Marine Transport and

Storage Rule

Not regulated.

Air Law, Enforcement Rule

Explosives Control Act

Not regulated.

16. Other information

Bibliography ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

EPA: AQUIRE database

HSDB® - Hazardous Substances Data Bank

National Toxicology Program (NTP) Report on Carcinogens

Japan Society for Occupational Health, Recommendation of Occupational Exposure Limits

Japan Chemical Industry Association (JCIA) GHS Guideline, June 2012

JIS Z 7252:2014 Classification of chemicals based on "Globally Harmonized System of

Classification and Labelling of Chemicals (GHS)"

JIS Z 7253:2012 Hazard communication of chemicals based on GHS – Labelling and Safety Data

Sheet (SDS)

This safety data sheet was prepared in accordance with JIS Z 7253:2012.

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment. Kuraray cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

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