

CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

Product name: Mowital Issue date: 01-June-2015

Revision date: 04-August-2020

Version #: 03

SDS China

SECTION 1 Chemical product and company identification

Chinese name of chemical Mowital (薄膜)

English name of chemical Mowital

Synonyms Product grades covered by this safety data sheet see below:

Kuraray (Shanghai) Co., Ltd.

Thin Film 050, Thin Film 075, Thin Film 100, Thin Film 250

Manufacturer/Supplier

Address Unit 2207 2 Grand Gateway

3 Hongqiao Road Xuhui District Shanghai 200030

China

Telephone +86-21-6119-8111 **Fax** Not available.

E-mail pvb inquiry@kuraray.co.jp

Emergency telephone

number

+ 86 4001 2001 74 - Access Code: 334939

Recommended use and Limitations on use

Recommended use For industrial use only. Laminates with glass, plastics, wood, ceramics, metal, fabrics, textile fibers

and combinations therewith.

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SECTION 2 Hazards identification

Emergency overview Not regarded as a health or environmental hazard under current legislation.

GHS hazard categories

Not classified.

Label elements

Pictograms None.
Signal word None.

Hazard statement Exempt (manufactured article).

Precautionary statement

Prevention Observe good industrial hygiene practices.

ResponseNo specific first aid measures noted.StorageStore away from incompatible materials.

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

Physical and chemical hazards No unusual fire or explosion hazards noted.

Health hazards Not regarded as a health hazard under current legislation.

Environmental hazards Not expected to be harmful to aquatic organisms.

Supplemental information This product is an article and is not expected to release hazardous chemicals under normal

conditions of use.

SECTION 3 Composition/information on ingredients

Substance/mixture Substance

Chemical nameConcentration (%)CAS Number聚乙烯醇缩丁醛>9968648-78-2Polyvinyl Butyral

926034

SDS No: -

percent by volume.

Polyvinyl butyral can also have CAS no 63148-65-2.

SECTION 4 First aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and

Composition comments

health effects

Under normal conditions of intended use, this material does not pose a risk to health.

Personal protection for first-aid

responders

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

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

protect themselves.

Notes to physician Treat symptomatically.

SECTION 5 Fire-fighting measures

Extinguishing media Water fog. Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder.

Carbon dioxide (CO2).

Extinguishing media to avoid

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

Specific hazards

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.

Protection of fire-fighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in

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

case of fire.

General fire hazards No unusual fire or explosion hazards noted. May burn, but does not ignite readily.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

Wear appropriate personal protective equipment. For personal protection, see section 8 of the

SDS.

For emergency responders Ke

Keep unnecessary personnel away.

Environmental precautions Clean-up methods and

materials and containment

measures

Environmental manager must be informed of all major spillages.

Sweep up or gather material and place in appropriate container for disposal.

Prevention of secondary

hazards

Clean up in accordance with all applicable regulations.

SECTION 7 Handling and storage

Handling Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Wash hands after handling.

Storage Store away from incompatible materials (see Section 10 of the SDS). Store in a cool, dry,

well-ventilated place. Keep in original container. Read and follow manufacturer's recommendations

SECTION 8 Exposure controls/personal protection

Exposure limits

No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Monitoring methods Follow standard monitoring procedures.

Engineering measures 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.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Wear appropriate chemical resistant gloves.

Eye protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear suitable protective clothing.

SDS China

926034 2 / 5

Product name: Mowital Revision date: 04-August-2020

SDS No: -

Hygiene measures Always observe good personal hygiene measures, such as washing after handling the material

and before eating, drinking, and/or smoking. Routinely wash work clothing and protective

equipment to remove contaminants.

SECTION 9 Physical and chemical properties

Appearance

Physical state Solid.
Form Film.
Color Colorless.
Odor Odorless.
Odor threshold Not applicable.
pH Not applicable.

Melting point/freezing point 275 - 410 °F (135 - 210 °C)

Boiling point, initial boiling point, and boiling range

Not applicable

Flash point
Not applicable.
Flammability limit - lower (%)
Not available.
Flammability limit - upper (%)
Vapor pressure
Not applicable.
Vapor density
Not applicable.

Relative density 1.1 (20°C) Approximate.

Density Not available.

Solubility(ies)

Solubility (water) Not soluble in water.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature > 716 °F (> 380 °C)

Decomposition temperature Not available.

Evaporation rate Not applicable.

Flammability (solid, gas) Not available.

Other data

Dust explosion properties

St class 1

Explosive properties

Molecular weight

Oxidizing properties

Percent volatile

Viscosity

Not explosive.

234.25 g/mol

Not oxidizing.

< 1 % w/w

Not applicable.

SECTION 10 Stability and reactivity

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

Stability Material is stable under normal conditions.

Possibility of hazardous

reactions

Hazardous polymerization does not occur. No dangerous reaction known under conditions of

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Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents. Strong acids.

Hazardous decomposition

products

None known.

normal use.

SECTION 11 Toxicological information

Acute toxicity

No information available.

Routes of exposure

Skin contact. Eye contact.

Symptoms Under normal conditions of intended use, this material does not pose a risk to health.

Skin corrosion/irritationBased on available data, the classification criteria are not met.

SDS No: -

Serious eye damage/eye

irritation

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

Respiratory or skin sensitization

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

Due to partial or complete lack of data the classification is not possible. Skin sensitizer

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

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

Due to partial or complete lack of data the classification is not possible. Toxic to reproduction

Specific target organ toxicity

following single exposure

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

Specific target organ toxicity

following repeated exposure

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

Aspiration hazard Due to the physical form of the product it is not an aspiration hazard. **Chronic effects** No data available. No other specific chronic health impact noted.

SECTION 12 Ecological information

Ecotoxicity This product is an article and is not expected to release hazardous chemicals under normal

conditions of use.

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

The product is not expected to bioaccumulate. Bioaccumulation

Mobility in soil The product is immiscible with water and will sediment in water systems.

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.

SECTION 13 Disposal considerations

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

Local disposal regulations Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

SECTION 14 Transport information

CNDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

Not applicable.

SECTION 15 Regulatory information

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Not regulated.

Regulations on the Control over Safety of Dangerous Chemicals

Not regulated.

Other regulations This safety data sheet conforms to the following laws, regulations and standards:

Regulations on the Control over Safety of Dangerous Chemicals

Regulations on Labor Protection in Workplaces Where Toxic Products Are Used

Measures for the Safe Use of Chemicals in Workplaces

Safety Data Sheet for Chemical Products - Content and Order of Sections (GB/T 16483-2008) General Rules for Preparation of Precautionary Labels for Chemicals (GB15258-2009)

Packing Symbol of Dangerous Goods(GB190-2009)

Packing - Pictorial Marking for Handling of Goods (GB/T191-2009)

International regulations

Stockholm Convention

Not applicable.

Product name: Mowital Revision date: 04-August-2020 SDS No: -

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

SECTION 16 Other information

References ECHA: European Chemical Agency.

GB12268-2012: List of Dangerous Goods.

GB6944-2012: Classification and Code of Dangerous Goods. IARC Monographs. Overall Evaluation of Carcinogenicity

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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.