

Safety Data Sheet



Mowital G

according to JIS Z 7253 : 2019

Issue date: 7/16/2024 Revision date: 7/16/2024 Version: 8.00

1. Chemical product and company identification

Substance name : Mowital G
Type of product : Polymer
CAS-No. : 68648-78-2 or 63148-65-2
SDS number : 200006
Synonyms : G 13, G 16, G 36

Recommended use of the chemical and restrictions on use

Recommended use : Industrial use, Coating, Printing ink, Additive/binder for primer, 3D Printing, Varnish

Company information

Supplier

Kuraray Co., Ltd.
Japan Tokyo 100-0004 Otemachi, Chiyoda-ku Tokiwabashi
Tower 2-6-4
T +81-3-6701-1422
<https://www.kuraray.co.jp/inquiry>

E-mail address of competent person responsible for the SDS

product-safety@kuraray.com

Manufacturer

Kuraray Europe GmbH
Philipp-Reis-Str. 4
65795 Hattersheim am Main
Germany
T +49 (0)69 305 85300
E-Mail: product-safety@kuraray.com
Technical contact: +49-69-305-6155

Emergency telephone number

Emergency number : +81-3-6701-1422 or + 81-3689-08677 (Access Code: 334674)

2. Hazards identification

Not classified

3. Composition/information on ingredients

Distinction of substance or mixture : Substance
Synonyms : CAS: 68648-78-2 or 63148-65-2

Name	Concentration (%)	Formula	Reference number in the gazette list		CAS-No.
			CSCL No.	ISHL No.	
Poylvinyll Butyral	> 99	-	6-708	6-708	68648-78-2
Water	< 0.95		2-(4)-1220	2-(4)-1220	7732-18-5

Safety Data Sheet

Mowital G

according to JIS Z 7253 : 2019

4. First aid measures

First aid measures

- First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

Notes to physician

- Other medical advice or treatment : Treat symptomatically.

5. Fire fighting measures

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire, Water spray, Dry powder, Foam
Unsuitable extinguishing media : Strong water jet
Hazardous decomposition products in case of fire : Toxic fumes may be released
Reactivity in case of fire : Can burn but do not ignite readily.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Methods and Equipment for Containment and Cleaning up

- Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information : Disposal must be done according to official regulations.

7. Handling and storage

Handling

- Technical measures : No data available
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
Prevents handling of incompatible substances or mixtures : No data available

Safety Data Sheet

Mowital G

according to JIS Z 7253 : 2019

Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Storage	
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store in original tightly closed container
Material used in packaging/containers	: No data available
Information about storage in one common storage facility	: Keep away from food, drink and animal feeding stuffs.

8. Exposure controls / Personal protection equipment

Appropriate engineering controls	: Ensure good ventilation of the work station
Protective equipment	
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment, Breathing apparatus with filter, A-P2, EN 143, Short term exposure, Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust
Hand protection	: In case of repeated or prolonged contact wear gloves, Nitrile rubber, ISO 374-1, Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer, Please follow the instructions related to the permeability and the penetration time provided by the manufacturer, Gloves must be replaced after each use and whenever signs of wear or perforation appear
Eye protection	: Sealed safety goggles, ISO 16321-1
Skin and body protection	: Wear suitable protective clothing, EN ISO 13688
Environmental exposure controls	: Avoid release to the environment.

9. Physical and chemical properties

Physical state	: Solid
Colour	: colourless
Appearance	: Granular solid
Odour	: odourless
pH	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability	: Can burn but do not ignite readily
Vapour pressure	: Not applicable
Relative vapour density at 20° C	: Not applicable
Relative density	: Not applicable
Density	: No data available
Relative gas density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive properties	: Product is not explosive.
Explosive limits (vol %)	: No data available

Safety Data Sheet

Mowital G

according to JIS Z 7253 : 2019

Oxidising properties	: Non oxidizing
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Particle characteristics	: No data available
VOC content	: < 0.1 %

10. Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	: Strong oxidizing agent. Strong acids.
Hazardous decomposition products	: Carbon oxides (CO, CO ₂).

11. Toxicological information

Acute toxicity (oral)	: (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: (Based on available data, the classification criteria are not met)
Respiratory sensitization	: No data available
Skin sensitization	: No data available
Respiratory or skin sensitisation	: (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: (Based on available data, the classification criteria are not met)
Carcinogenicity	: (Based on available data, the classification criteria are not met)
Reproductive toxicity	: (Based on available data, the classification criteria are not met)
STOT-single exposure	: (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: (Based on available data, the classification criteria are not met)
Aspiration hazard	: No data available

Mowital G (68648-78-2)

Viscosity, kinematic	Not applicable
----------------------	----------------

12. Ecological information

Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: (Based on available data, the classification criteria are not met)

Persistence and degradability

Mowital G (68648-78-2)

Persistence and degradability	No data available
-------------------------------	-------------------

Safety Data Sheet

Mowital G

according to JIS Z 7253 : 2019

Bioaccumulative potential

Mowital G (68648-78-2)	
Bioaccumulative potential	No data available

Mobility in soil

Mowital G (68648-78-2)	
Mobility in soil	No data available

Hazardous to the ozone layer

Ozone : No data available

13. Disposal considerations

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.

Waste treatment methods : Disposal must be done according to official regulations.
Do not discharge into drains or the environment.
Do not dispose of with domestic waste.

14. Transport information

International Regulations

United Nations Recommendations on the Transport of Dangerous Goods (UN RTDG)	Transport by sea (IMDG)	Air transport (IATA)
UN number		
Not applicable	Not applicable	Not applicable
UN proper shipping name		
Not applicable	Not applicable	Not applicable
Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Packing group		
Not applicable	Not applicable	Not applicable
Environmental hazards		
Not applicable	Not applicable	Not applicable

Marine pollutant : Not applicable

Regulations in Japan

Other information : No supplementary information available

Safety Data Sheet

Mowital G

according to JIS Z 7253 : 2019

15. Regulatory information

National law

Other regulatory Information

Other information, restriction and prohibition regulations : Listed on the Japanese ENCS (Existing New Chemical Substances) inventory.

16. Other information

Data sources : Information provided by the manufacturer.

Other information : We hereby confirm that for Mowital® grades the Country of Origin is Germany. A safety data sheet is not required for this product in accordance with national legal requirements. This document has been created on a voluntary basis following the format of the safety data sheet.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable