

### SECTION 1: Identification of Product and Company

#### 1.1. Product identifier

Trade name	: Mowital G
CAS-No.	: 68648-78-2 or 63148-65-2
Product code	: 200006
Synonyms	: G 13, G 16, G 36
Recommended use	: For industrial use only. Coating, Printing ink, Additive/binder for primer, 3D Printing, Varnish

#### 1.2. Company identification

##### Manufacturer/Supplier

Kuraray Europe GmbH  
Philipp-Reis-Str. 4  
D-65795 Hattersheim  
Germany  
Telefon: +49-69-305-85300  
Technical contact: +49-69-305-13345  
E-Mail: product-safety@kuraray.com

##### Email competent person

product-safety@kuraray.com

##### Distributor

Kuraray America, Inc.  
3700 Bay Area Blvd., Suite 680  
Houston, TX 77058  
USA  
Telephone: 1-800-423-9762 (within USA)  
Telephone: +1-281-283-1711 (international)  
E-Mail: info@kurarayamerica.com

Emergency number : (BR\*) +55 11 4349 1907  
(Access Code: 334674)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to GHS BR (ABNT NBR 14725)

Chemical product not classified as hazardous according to ABNT standard 14725

#### 2.2. Label elements

##### GHS BR labelling

No labelling applicable

#### 2.3. Other hazards not contributing to the classification

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

CAS	: 68648-78-2, 63148-65-2
Synonyms	: G 13, G 16, G 36

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According to ABNT NBR 14725-4

Name	Product identifier	%	Classification according to GHS BR (ABNT NBR 14725)
Mowital G	CAS-No.: 68648-78-2 or 63148-65-2	> 99	Not classified
water (Impurity)	CAS-No.: 7732-18-5	< 0,95	Not classified

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
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	: Rinse mouth. Immediately call a POISON CENTER/doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Strong water jet.

### 5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire	: Can burn but do not ignite readily.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

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.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. 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".

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### 6.2. Environmental precautions

Avoid release to the environment. Environmental officer must be informed of all releases.

### 6.3. Methods and material 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.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in original tightly closed container. Store in a well-ventilated place. Keep cool.  
Information about storage in one common storage facility : Keep away from food, drink and animal feeding stuffs.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Personal protective equipment

#### 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

#### 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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid

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Appearance	: Granular solid.
Colour	: colourless
Odour	: odourless
Odour threshold	: Not available
pH	: Not available
Melting point	: 135 – 210 °C
Freezing point	: Not applicable
Boiling point	: Not available
Flash point	: Not applicable
Relative evaporation rate (butylacetate=1)	: Not applicable
Flammability	: Can burn but do not ignite readily
Explosive limits	: Not available
Vapour pressure	: Not applicable
Relative vapour density at 20°C	: Not applicable
Relative density	: 1.1 (20 °C)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: > 380 °C
Decomposition temperature	: Not available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive
Oxidising properties	: Non oxidizing

### 9.2. Other information

VOC content : < 0.1 %

## SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Hazardous decomposition products	: Carbon oxides (CO, CO <sub>2</sub> ).
Incompatible materials	: Strong oxidizing agent. Strong acids.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Handling temperature	: No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not available (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not available

### 11.2. Most important symptoms and effects, both acute and delayed

No additional information available

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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

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

#### 12.2. Persistence and degradability

##### Mowital G (68648-78-2 or 63148-65-2)

Persistence and degradability	No data available.
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#### 12.3. Bioaccumulative potential

##### Mowital G (68648-78-2 or 63148-65-2)

Bioaccumulative potential	No data available.
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#### 12.4. Mobility in soil

##### butyraldehyde (123-72-8)

Surface tension	70 mN/m (20 °C; 1 g/L; (OECD 115 method))
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##### sodium chloride (7647-14-5)

Ecology - soil	Expected to be highly mobile in soil.
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#### 12.5. Other adverse effects

Hazardous to the ozone layer : Not classified (Based on available data, the classification criteria are not met)

Other adverse 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

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.

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

### SECTION 14: Transport information

#### National and international Regulations

ANTT	IMDG	IATA
<b>UN number</b>		
Not applicable	Not applicable	Not applicable
<b>UN Proper Shipping Name</b>		
<b>Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>Danger labels</b>		
Not applicable	Not applicable	Not applicable
<b>Subsidiary risk</b>		
Not applicable	Not applicable	Not applicable

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ANTT	IMDG	IATA
<b>Risk Number</b>		
Not applicable		
<b>Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>Special provisions</b>		
Not applicable	Not applicable	Not applicable
<b>Dangerous for the environment</b>		
No	No	No

### 14.2 Other information

No additional information available

## SECTION 15: Regulatory information

### 15.1. National regulations

Brazil Local Regulations : Federal Decree no. 10.088, of 5 November 2019 – Promulgates Convention no. 170 of the WLO, relating to Safety in the Use of Chemicals in the Workplace, ratified by the Federative Republic of Brazil.  
Federal Decree no. 96.044, of 18 May 1988 - Approves Regulations for Road Transportation of Hazardous Materials  
Ministerial Order no. 240, of March 12, 2019. Establishes procedures for the control and supervision of chemicals and defines chemicals subject to control by the Federal Police. Standard ABNT NBR 14725.  
Resolution no. 5998, of November 3, 2022, updates the regulation for road transport of dangerous goods, approves its Complementary Instructions, and other measures.

## SECTION 16: Other information

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.

Data sources : Information provided by the manufacturer.

Department issuing data specification sheet: : KFT Chemieservice GmbH  
Im Leuschnerpark 3  
D-64347 Griesheim

Phone: +49 6155-8981-400  
Fax: +49 6155 8981-500  
SDS Service: +49 6155 8981-522

Contact person : Dr. Christian Rank

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### Abbreviations and acronyms

: ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE - Acute Toxicity Estimate  
BCF - Bioconcentration factor  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
DMEL - Derived Minimal Effect level  
DNEL - Derived-No Effect Level  
EC50 - Median effective concentration  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
LOAEL - Lowest Observed Adverse Effect Level  
NOAEC - No-Observed Adverse Effect Concentration  
NOAEL - No-Observed Adverse Effect Level  
NOEC - No-Observed Effect Concentration  
OECD - Organisation for Economic Co-operation and Development  
PBT - Persistent Bioaccumulative Toxic  
PNEC - Predicted No-Effect Concentration  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet  
STP - Sewage treatment plant  
TLM - Median Tolerance Limit  
vPvB - Very Persistent and Very Bioaccumulative

KFT SDS BR 01 - Version 22.2

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.