

## 1. Chemical product and company identification

Substance name : MOWITAL® G  
Type of product : Polymer  
Product code : 200006  
CAS-No. : 68648-78-2; 63148-65-2  
Synonyms : G 13, G 16, G 36

### Recommended use of the chemical and restrictions on use

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

### Company information

#### Manufacturer

Kuraray Europe GmbH  
Philipp-Reis-Str. 4  
D-65795 Hattersheim  
Germany  
Telephone: +49 69 305 85300  
Technical contact: +49 69 305 13345

#### supplier

Kuraray Co., Ltd.  
Japan Tokyo 100-0004  
Otemachi, Chiyoda-ku  
Tokiwabashi Tower 2-6-4  
T +81-3-6701-1422  
[pvb\\_inquiry@kuraray.co.jp](mailto:pvb_inquiry@kuraray.co.jp)

#### E-mail address of competent person responsible for the SDS

[product-safety@kuraray.com](mailto:product-safety@kuraray.com)

### Emergency telephone number

Emergency number : +81 368908677  
(Access Code: 334674)

## 2. Hazards identification

Not classified

## 3. Composition/information on ingredients

Distinction of substance or mixture : Substance  
Chemical name : polyvinyl butyral  
Synonyms : G 13, G 16, G 36

Name	Concentration (%)	Formula	Reference number in the gazette list		CAS-No.
			CSCL No.	ISHL No.	
polyvinyl butyral	> 99	-	(6)-708	(6)-708	68648-78-2; 63148-65-2
water (Impurity)	< 0.95	H <sub>2</sub> O	2-(4)-1220	2-(4)-1220	7732-18-5

## 4. First aid measures

### First aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.

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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.
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## 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
Reactivity in case of fire	: Could burn but does not ignite readily.
Hazardous decomposition products in case of fire	: Toxic fumes may be released
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.
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#### 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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### 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
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.
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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.
<b>Protective equipment</b>	
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment, EN 143, Short term exposure, Breathing apparatus with filter, A-P2, 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, ISO 374-1, Nitrile rubber, 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
Appearance	: Granulate
Colour	: Colourless
Odour	: Odourless
pH	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: Could burn but do not ignite readily
Vapour pressure	: Not applicable
Relative vapour density at 20°C	: Not applicable
Relative density	: No data available
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
Oxidising properties	: Non oxidizing
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
VOC content	: < 0.1 %
Particle characteristics	: No data available

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## 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 <sub>2</sub> ).

## 11. Toxicological information

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 sensitization	: Not classified (Based on available data, the classification criteria are not met)
Skin sensitization	: 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 classified (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 classified (Based on available data, the classification criteria are not met)

### polyvinyl butyral (68648-78-2; 63148-65-2)

Viscosity, kinematic	Not applicable
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## 12. Ecological information

### Ecotoxicity

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)

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## Persistence and degradability

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Persistence and degradability	No data available.
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## Bioaccumulative potential

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Bioaccumulative potential	No data available.
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## Mobility in soil

### polyvinyl butyral (68648-78-2; 63148-65-2)

Mobility in soil	No data available
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## Hazardous to the ozone layer

Ozone : Not classified  
(Based on available data, the classification criteria are not met)

## Other adverse effects

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.

## 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

In accordance with UN RTDG / IMDG / IATA

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

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## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## Regulations in Japan

Other information : No supplementary information available

## 15. Regulatory information

### National law

Chemical Substances Control Law : Not applicable  
Industrial Safety and Health Law : Dangerous Substances, Flammable Substances (Enforcement Order, Art., Appended Table 1, Item 4) (related to impurity)  
Japanese Poisonous and Deleterious Substances Control Law : Not applicable  
Fire Service Law : Designated combustible material (Synthetic resins, others) (Storage limit: 3000 kg)  
Law for the Control of Export, Import and Others of Specified Hazardous Wastes and Other Wastes (Basel Convention) : Not applicable  
Japanese Pollutant Release and Transfer Register Law (PRTR Law) : Not applicable

### 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.  
Department issuing data specification sheet: : KFT Chemieservice GmbH  
Im Leuschnerpark 3  
D-64347 Griesheim  
Phone: +49 69 305 34 700  
Fax: +49 69 305 86 500  
SDS Service: +49 69 305 34 740  
Contact person : Saskia Vetter  
Other information : We hereby confirm that for MOWITALI® grades the Country of Origin is Germany.

Indication of changes		
Section	Changed item	Comments
	General revision	
15	Regulatory information	<b>Added</b>
16	Contact person	<b>Modified</b>

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