



# Safety Data Sheet

## Multi Gel Remover

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 22/06/2019 Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Substance  
Trade name : Multi Gel Remover  
REACH registration No : 01-2119471839-21

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Graffiti Remover, Glue Remover, Wood Stripper  
Use of the substance/mixture : Cleaning agent;

Title	Use descriptors
Industrial Use of Coatings Containing $\gamma$ -Butyrolactone (ES Ref.: 1)	SU3, SU10, PROC1, PROC2, PROC4, PROC5, PROC7, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15, ERC4
Industrial Use of Cleaning Agents Containing $\gamma$ -Butyrolactone (ES Ref.: 2)	SU3, SU10, PROC1, PROC2, PROC4, PROC7, PROC8b, PROC10, PROC13, ERC4
Industrial Use of Binders and Release Agents Containing $\gamma$ -Butyrolactone (ES Ref.: 3)	SU3, PROC1, PROC2, PROC3, PROC4, PROC6, PROC7, PROC8b, PROC10, PROC14, ERC4
Industrial Use of $\gamma$ -Butyrolactone in Laboratory (ES Ref.: 4)	SU3, SU10, PROC10, PROC15, ERC4

Full text of use descriptors: see section 16

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

**Supplier**  
GBL Europe BV  
Magnesiumweg 3c  
8471 XM, Wolvega NL  
T +32 266 908 66  
[info@qbl-europe.com](mailto:info@qbl-europe.com)  
[www.qbl-europe.com](http://www.qbl-europe.com)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

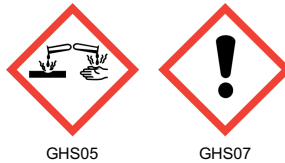
Acute toxicity (oral), Category 4 H302  
Serious eye damage/eye irritation, Category 1 H318  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

Full text of H statements : see section 16

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H302 - Harmful if swallowed.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP) :

P280 - Wear Protective gloves, Protective clothing, Eye protection, face protection.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER, a doctor.  
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
γ-butyrolactone	(CAS-No.) 96-48-0 (EC-No.) 202-509-5 (REACH-no) 01-2119471839-21	98 – 99%	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 3, H336
Modified cellulose	(CAS-No.) 9004-65-3 (EC-No.) Polymer	1%	This product is not classified as dangerous according to EC criteria.

Full text of H-statements: see section 16

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
γ-butyrolactone	(CAS-No.) 96-48-0 (EC-No.) 202-509-5 (REACH-no) 01-2119471839-21	98 – 99%	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 3, H336
Modified cellulose	(CAS-No.) 9004-65-3 (EC-No.) Polymer	1%	This product is not classified as dangerous according to EC criteria.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Remove contaminated clothing. If breathing stops, give artificial respiration.  
First-aid personnel: Wear proper protective equipment.

First-aid measures after inhalation : Move immediately to fresh air in case of accidental inhalation of vapours. Obtain medical attention.

First-aid measures after skin contact : Remove immediately contaminated clothing. Wash skin with plenty of water and soap.

First-aid measures after eye contact : Rinse immediately with plenty of water. Contact lenses should be removed. Ensure adequate flushing of eyes by separating eyelids with the fingers. Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Seek medical attention immediately.

First-aid measures after ingestion : Rinse mouth thoroughly with water. Drink plenty of water. Obtain medical attention. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

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

Symptoms/effects after inhalation : May cause drowsiness or dizziness.  
Symptoms/effects after skin contact : Not known.  
Symptoms/effects after eye contact : May cause Blurred vision and serious damage to eyes.  
Symptoms/effects after ingestion : Harmful if swallowed.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray, Foam, Dry powder, Carbon dioxide.  
Unsuitable extinguishing media : Not known.

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

Hazardous decomposition products in case of fire : Carbon oxides (CO and CO<sub>2</sub>), Nitrogen oxides, Other toxic gases.

#### 5.3. Advice for firefighters

Firefighting instructions : Cool with water containers exposed to flames, even after the fire is extinguished. Do not allow run-off from fire fighting to enter drains or water courses.  
Protection during firefighting : Wear positive pressure self-contained breathing apparatus (SCBA) and suitable protective clothing

### SECTION 6: Accidental release measures

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

General measures : Ensure procedures and training for emergency decontamination and disposal are in place. No action shall be taken without appropriate training or involving any personal risk. Evacuate unnecessary personnel.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Prevent unauthorised access. Avoid breathing vapours, spray. Avoid contact with skin and eyes. Take precautionary measures against static discharge. No flames, no sparks. Eliminate all sources of ignition. Do not smoke.

##### 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".

#### 6.2. Environmental precautions

Do not allow product to spread into the environment. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Collect all waste in suitable and labelled containers and dispose according to local legislation.  
Other information : No naked flames, sparks, and do not smoke. Do not touch or walk on the spilled product. Stop leak if safe to do so.

#### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid inhalation of vapours/spray. Avoid contact with skin and eyes. Take precautionary measures to prevent the formation of static electricity and sparks. Remove all sources of ignition. Provide adequate ventilation.  
Hygiene measures : Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Store tightly closed in a dry, cool and well-ventilated place. Keep only in the original container. Earth the equipment used to transfer the product and container.  
Incompatible products : Store away from alkalis.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Gamma butyrolactone (96-48-0)</b>	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	19 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	37 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	340 mg/m <sup>3</sup>
Long-term - systemic effects, oral	8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	28 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.056 mg/l
PNEC aqua (marine water)	0.0056 mg/l
PNEC aqua (intermittent, freshwater)	0.56 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.24 mg/kg dwt
PNEC sediment (marine water)	0.02 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.014683 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	452 mg/l

### 8.2. Exposure controls

#### Appropriate engineering controls:

Provide adequate general and local exhaust ventilation.

#### Hand protection:

Wear suitable gloves tested to EN374. Butyl rubber gloves, PVC gloves, natural rubber gloves

#### Eye protection:

Wear tight fitting safety glasses or facial screen. EN 166

#### Skin and body protection:

Wear suitable coveralls to prevent exposure to the skin

#### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Odour	: Mild.
Odour threshold	: No data available
pH	: 4 - 5 (100 g/l, 20°C)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -43.2 - -42 °C
Freezing point	: No data available
Boiling point	: 204.6 °C (1013 hPa)
Flash point	: 106 °C CC
Auto-ignition temperature	: 435 °C

Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 0.4 mbar (20°C)
Relative vapour density at 20 °C	: No data available
Relative density	: 1.13 (20°C)
Solubility	: Miscible with : organic solvents. Water: > 1000 g/l (20°C)
Log Pow	: No data available
Log Kow	: -0.566
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 400 mPa.s (20°C)
Explosive properties	: No data available
It does not have oxidising properties	: No data available
Lower explosive limit (LEL)	: 2.75 vol %
Upper explosive limit (UEL)	: 17.5 vol %

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May react violently with strong oxidising agents and strong alkalis.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Heat, ignition sources, flames or sparks.

### 10.5. Incompatible materials

Strong acids, strong bases and strong oxidants.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Thermal decomposition may produce : Carbon oxides (CO and CO<sub>2</sub>). Nitrogen oxides. Other toxic gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Harmful if swallowed.
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)

Gamma butyrolactone (96-48-0)	
LD50 oral rat	1582 mg/kg bodyweight
LD50 dermal	5000 mg/kg
LC50 inhalation rat (mg/l)	> 5.1 mg/l/4h

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Causes serious eye damage. pH: 4 - 5 (100 g/l, 20°C)
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 classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: May cause drowsiness or dizziness.
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)

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

Gamma butyro lactone (96-48-0)	
LC50 fish 1	56 mg/l (Lepomis macrochirus)
EC50 Daphnia 1	> 500 mg/l
EC50 72h algae (1)	> 1000 mg/l (Scenedesmus subspicatus)
ErC50 (other aquatic plants)	4518 mg/l

#### 12.2. Persistence and degradability

Gamma butyro lactone (96-48-0)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.

#### 12.3. Bioaccumulative potential

Gamma butyro lactone (96-48-0)	
Log Kow	-0.566
Bioaccumulative potential	Bioaccumulation unlikely.

#### 12.4. Mobility in soil

Gamma butyro lactone (96-48-0)	
Ecology - soil	Not established.

#### 12.5. Results of PBT and vPvB assessment

Gamma butyro lactone (96-48-0)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

#### 12.6. Other adverse effects

Other adverse effects : Not known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose as hazardous waste. Disposal must be done according to official regulations.  
 Waste treatment methods : Collect all waste in suitable and labelled containers and dispose according to local legislation.  
 Sewage disposal recommendations : Do not allow into drains or water courses.  
 Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
 Disposal through controlled incineration or authorised waste dump.  
 Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### 14.6. Special precautions for user

##### - Overland transport

Not applicable

##### - Transport by sea

Not applicable

### - Air transport

Not applicable

### - Inland waterway transport

Not applicable

### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

No REACH Annex XVII restrictions

Gamma butyrolactone is not on the REACH Candidate List

Gamma butyrolactone is not on the REACH Annex XIV List

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP)

#### 15.1.2. National regulations

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### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
SDS	Safety Data Sheet
STP	Sewage treatment plant
DNEL	Derived-No Effect Level
PNEC	Predicted No-Effect Concentration
LD50	Median lethal dose
LC50	Median lethal concentration
EC50	Median effective concentration
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP). Dissemination portal ECHA <a href="https://echa.europa.eu/cs/search-for-chemicals">https://echa.europa.eu/cs/search-for-chemicals</a> . SDS Gamma butyrolactone, Date 22.11.2016., Version 16.
Training advice	: Provide SDS to employees. Follow general rules on handling chemical substances and/or mixtures.
Other information	: SDS was treated by EcoMole LTD. <a href="http://www.ecomole.com">www.ecomole.com</a> .

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis



# Safety Data Sheet

## Multi Gel Remover

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 29/11/2017 Version: 1.0

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

### Full text of use descriptors

ERC4	Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
PROC1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
PROC10	Roller application or brushing
PROC13	Treatment of articles by dipping and pouring
PROC14	Tabletting, compression, extrusion, pelletisation, granulation
PROC15	Use as laboratory reagent
PROC2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC4	Chemical production where opportunity for exposure arises
PROC5	Mixing or blending in batch processes
PROC6	Calendering operations
PROC7	Industrial spraying
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
SU10	Formulation [mixing] of preparations and/or re-packaging
SU3	Industrial uses

### SDS EU (REACH Annex II)

*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*