



# Safety Data Sheet

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier.

Product identifier. 123386  
Product name. Urine Contamination Treatment  
Pure substance/mixture. No Information

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

Recommended Use. Professional Carpet Cleaning  
Uses advised against. Professional Use Only

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

Supplier. Legend Brands  
15180 Josh Wilson Road  
Burlington, WA 98233  
E-Mail: sds@legendbrands.com  
800-932-3030

Legend Brands Europe  
22 Plover Close Interchange Park  
Newport Pagnell MK069PS UK  
+44 (0) 1908 611211

1.4 Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)  
+1-352-323-3500 (International)

Europe	112
Bulgaria	+359 2 9154 409
Cyprus	+357 22405609
Croatia	+385 1 234 8342
Czech Republic	+420 267 225 243
Estonia	112
Greece	+30 210 64 79 407
Hungary	+36 80 20 11 99
Latvia	+371 67032028
Lithuania	+3705 212 6094
Malta	112
Poland	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54 +48 22 619 08 97
Romania	+40 21 207 11 06
Slovenia	+386 1 478 6051
Slovakia	+421 2 54 77 4 166

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture. (Regulation (EC) No 1272/2008)

Acute Toxicity, Dermal, category 4  
Hazardous to the aquatic environment, Chronic, category 2  
Eye Irritation, category 2A

### 2.2 Label elements.



**Signal Word**

Warning

**Hazardous components which must be listed on the label**

Ethylene glycol monobutyl ether

**Possible Hazards**

&lt; 1% of the mixture consists of ingredient(s) of unknown acute toxicity

**HAZARD STATEMENTS**

H312 Harmful in contact with skin.  
 H319 Causes serious eye irritation.  
 H411 Toxic to aquatic life with long lasting effects.

**LABEL PRECAUTIONARY STATEMENTS**

P362+P364 Take off contaminated clothing and wash it before reuse.

**PRECAUTIONARY STATEMENTS**

P264 Wash face, hands and any exposed skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P312 Call a POISON CENTER or doctor if you feel unwell.  
 P321 Specific treatment (see supplemental first aid instructions on this label).  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P391 Collect spillage.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**2.3 Other hazards**

EMERGENCY OVERVIEW: No Information

**3. Composition/Information on Ingredients****3.1 Substances.**

This product is a mixture. Health hazard information is based on its components.

**3.2 Mixtures.**

CAS-No.	EC No.	REACH Reg No.	Wt. %	Chemical Name	Classification (1272/2008/EC)
111-76-2	203-905-0	203-905-0	2.5-10	Ethylene glycol monobutyl ether	Acute Tox. 4 Oral (H302) Acute Tox. 4 Dermal (H312) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319)
68439-57-6	270-407-8	No Information	2.5-10	SODIUM (C14-16) OLEFIN SULFONATE	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
112-34-5	203-961-6	01-2119475104-44-XXXX	1.0-2.5	2-(2-BUTOXYETHOXY) ETHANOL	Eye Irrit. 2A (H319)
29911-28-2	249-951-5	No Information	1.0-2.5	Dipropylene Glycol Butyl Ether	Eye Irrit. 2A (H319)
57-55-6	200-338-0	No Information	1.0-2.5	Propylene glycol	No information

For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. First-aid Measures****4.1 Description of first-aid measures.****General advice.**

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation.**

Move to fresh air.

**Skin contact.**

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

**Eye contact.**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

**Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

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

**Symptoms**

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

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

**Notes to physician**

Treat symptomatically.

## 5. Fire-fighting Measures

**5.1 Extinguishing media.**

**Suitable extinguishing media.**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

No Information

**Extinguishing media which shall not be used for safety reasons.**

High volume water jet.

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

No information available.

**5.3 Advice for firefighters.**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Use personal protection recommended in Section 8.

## 6. Accidental Release Measures

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

**Personal precautions.**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

**Advice for emergency responders.**

Use personal protection recommended in Section 8.

**6.2 Environmental precautions.**

Prevent product from entering drains. See Section 12 for additional Ecological information.

**6.3 Methods and materials for containment and cleaning up.**

**Methods for Containment.**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**Methods for cleaning up.**

Use personal protective equipment as required.

**6.4 Reference to other sections**

See section 8 for more information.

## 7. Handling and Storage

**7.1 Precautions for safe handling.**

**Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice.

**Hygiene measures.**

See section 7 for more information.

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

**Storage Conditions.**

Keep containers tightly closed in a cool, well-ventilated place.

### 7.3 Specific end use(s)

#### Specific use(s)

No Information

#### Exposure scenario

No Information Available

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Exposure Limit Values

Chemical Name	Bulgaria	Croatia	Cyprus	Czech Republic	Estonia	European Union
Ethylene glycol monobutyl ether 111-76-2	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>		STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>		TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>
Propylene glycol 57-55-6		TWA: 150 ppm TWA: 474 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>				
Chemical Name	Greece	Hungary	Latvia	Lithuania	Malta	Ukraine
Ethylene glycol monobutyl ether 111-76-2	TWA: 25 ppm TWA: 120 mg/m <sup>3</sup>	STEL: 246 mg/m <sup>3</sup> TWA: 98 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	STEL: 20 ppm STEL: 100 mg/m <sup>3</sup> TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 101.2 mg/m <sup>3</sup> TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 101.2 mg/m <sup>3</sup> STEL: 15 ppm TWA: 67.5 mg/m <sup>3</sup> TWA: 10 ppm	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	
Propylene glycol 57-55-6			TWA: 7 mg/m <sup>3</sup>	TWA: 7 mg/m <sup>3</sup>		
Chemical Name	Poland	Romania	Russia	Slovenia	Turkey	
Ethylene glycol monobutyl ether 111-76-2	STEL: 200 mg/m <sup>3</sup> TWA: 98 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>		STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 246 mg/m <sup>3</sup> TWA: 20 ppm TWA: 98 mg/m <sup>3</sup>	
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	STEL: 100 mg/m <sup>3</sup> TWA: 67 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 67.5 mg/m <sup>3</sup> TWA: 10 ppm		STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	STEL: 15 ppm STEL: 101.2 mg/m <sup>3</sup> TWA: 10 ppm TWA: 67.5 mg/m <sup>3</sup>	
Propylene glycol 57-55-6	TWA: 100 mg/m <sup>3</sup>					

TWA: Time weighted average  
STEL: Short term exposure limit

#### Derived No Effect Level (DNEL)

No Information Available

#### Predicted No Effect Level (PNEC)

No Information Available

### 8.2. Exposure controls.

**Engineering Measures.**

Showers, eyewash stations, and ventilation systems.

**Personal protective equipment.****Eye/Face Protection.**

Safety glasses with side-shields.

**Hand Protection.**

Wear suitable protective clothing.

**Skin and body protection.**

No Information

**Respiratory protection.**

In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene measures.**

See section 7 for more information.

**Environmental Exposure Controls.**

No Information

## 9. Physical and Chemical Properties

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

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear liquid
<b>Colour</b>	gold
<b>Odour</b>	Floral
<b>Odour Threshold</b>	No Information
<b>pH</b>	7.5
<b>Melting point / freezing point (°C)</b>	No Information
<b>Flash Point, (°C)</b>	94
<b>Boiling point/range (°C)</b>	100 - 1,461
<b>Evaporation rate</b>	No Information
<b>Combustibility</b>	Does not Support Combustion
<b>Upper/lower flammability or explosive limits</b>	No Information
<b>Vapour Pressure</b>	No Information
<b>Vapour density</b>	No Information
<b>Specific Gravity (g/cm<sup>3</sup>)</b>	1.000
<b>Solubility in / Miscibility with Water</b>	Soluble in water
<b>Partition Coefficient: n-octanol/water</b>	No Information
<b>Auto-Ignition Temperature (°C)</b>	No Information
<b>Decomposition temperature (°C)</b>	No Information
<b>Viscosity</b>	No Information
<b>Oxidising properties</b>	Not Applicable

**9.2 Other information.**

<b>Volatile Organic Compounds (VOC) content</b>	16%
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(See section 16 for abbreviation legend)

## 10. Stability and Reactivity

**10.1 Reactivity.**

Stable under normal conditions.

**10.2 Chemical stability.**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions.**

None known based on information supplied.

**10.4 Conditions to Avoid.**

None known.

**10.5 Incompatible Materials.**

None known based on information supplied.

**10.6 Hazardous Decomposition Products.**

None known.

**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity****Product Information**

<b>LD50 Oral</b> 4,463.00	<b>LD50 Dermal</b> 1,076.00	<b>LC50 Inhalation</b> 1,480.00
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The following values are calculated based on chapter 3.1 Of the GHS document

ATEmix (oral)	4,463.0 mg/kg
ATEmix (dermal)	1,076.0 mg/kg
ATEmix (inhalation - vapor)	1,480.00 mg/l

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
111-76-2	Ethylene glycol monobutyl ether	470	2000	N.I.
68439-57-6	SODIUM (C14-16) OLEFIN SULFONATE	2220 mg/kg Rat	6300	N.I.
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	5660 mg/kg Rat	2700 mg/kg Rabbit	N.I.
57-55-6	Propylene glycol	20000 mg/kg Rat	20800 mg/kg Rabbit	N.I.

N.I. = No Information

**Skin corrosion/irritation.**

SKIN IRRITANT.

**12. Ecological Information****12.1 Toxicity**

&lt;1% of the mixture consists of ingredient(s) of unknown aquatic toxicity

**Ecotoxicity Effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Ethylene glycol monobutyl ether 111-76-2	-	LC50 96 h <i>Lepomis macrochirus</i> 1490 mg/L, LC50 96 h <i>Lepomis macrochirus</i> 2950 mg/L	EC50 48 h <i>Daphnia magna</i> >1000 mg/L
SODIUM (C14-16) OLEFIN SULFONATE 68439-57-6	-	LC50 96 h <i>Brachydanio rerio</i> 1.0 - 10.0 mg/L, LC50 96 h <i>Brachydanio rerio</i> 12.2 mg/L	-
2-(2-BUTOXYETHOXY) ETHANOL 112-34-5	EC50 96 h <i>Desmodesmus subspicatus</i> >100 mg/L	LC50 96 h <i>Lepomis macrochirus</i> 1300 mg/L	EC50 48 h <i>Daphnia magna</i> >100 mg/L
Dipropylene Glycol Butyl Ether 29911-28-2	-	LC50 96 h <i>Poecilia reticulata</i> 841 mg/L	-
Propylene glycol 57-55-6	EC50 96 h <i>Pseudokirchneriella subcapitata</i> 19000 mg/L	LC50 96 h <i>Oncorhynchus mykiss</i> 51600 mg/L, LC50 96 h <i>Oncorhynchus mykiss</i> 41 - 47 mL/L, LC50 96 h <i>Pimephales promelas</i> 51400 mg/L, LC50 96 h <i>Pimephales promelas</i> 710 mg/L	EC50 48 h <i>Daphnia magna</i> >1000 mg/L
OLEIC ACID 112-80-1	-	LC50 96 h <i>Pimephales promelas</i> 205 mg/L	-

BENZALDEHYDE 100-52-7	-	LC50 96 h Oncorhynchus mykiss 10.6 - 11.8 mg/L, LC50 96 h Oncorhynchus mykiss 12.69 mg/L, LC50 96 h Lepomis macrochirus 0.8 - 1.44 mg/L, LC50 96 h Pimephales promelas 6.8 - 8.53 mg/L, LC50 96 h Lepomis macrochirus 7.5 mg/L	-
Sodium hydroxide 1310-73-2	-	LC50 96 h Oncorhynchus mykiss 45.4 mg/L	-
Sodium chloride 7647-14-5	-	LC50 96 h Lepomis macrochirus 5560 - 6080 mg/L, LC50 96 h Lepomis macrochirus 12946 mg/L, LC50 96 h Pimephales promelas 6020 - 7070 mg/L, LC50 96 h Pimephales promelas 7050 mg/L, LC50 96 h Pimephales promelas 6420 - 6700 mg/L, LC50 96 h Oncorhynchus mykiss 4747 - 7824 mg/L	EC50 48 h Daphnia magna 1000 mg/L, EC50 48 h Daphnia magna 340.7 - 469.2 mg/L

**12.2. Persistence and degradability.**

No data are available on the product itself

**12.3. Bioaccumulative potential.**

Discharge into the environment must be avoided.

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Bio. Conc. Factor (BCF)</u>	<u>Octanol-water par. Coeff (KOW)</u>
111-76-2	Ethylene glycol monobutyl ether	N.I.	0.81
57-55-6	Propylene glycol	<1	N.I.

**12.4 Mobility in soil.****Mobility in soil.**

No information available

**Mobility**

No information available

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

No data are available on the product itself

**12.6 Other adverse effects.**

No information available

## 13. Disposal Considerations

**13.1 Waste treatment methods.****Waste from residues /unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

No Information

**Other information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

## 14. Transport Information

**ADR**

<b>14.1 UN number:</b>	No Information
<b>14.2 Proper shipping name:</b>	No regulated
<b>14.3 Hazard class(es):</b>	No Information
<b>14.4 Packing group:</b>	No Information
<b>14.5 Environmental hazards:</b>	No Information
<b>14.6 Special provisions:</b>	No Information

**IMDG**

14.1 UN number:	No Information
14.2 Proper shipping name:	Not regulated
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Marine pollutant:	No Information
Environmental hazards:	No Information
14.6 Special provisions:	No Information
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	No Information

**IATA**

14.1 UN number:	No Information
14.2 Proper shipping name:	Not recommended for air transport
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Environmental hazards:	No Information
14.6 Special provisions:	No Information

**15. Regulatory Information****15.1 Safety, health and environmental regulations/legislation for the substance or mixture:****National regulatory information**

German WGK classification: 3

Remarks: WGK 0 = in general not a water pollutant  
 WGK 1 = weak water pollutant  
 WGK 2 = water pollutant  
 WGK 3 = severe water pollutant

**CAS/Chemical Name**

111-76-2 Ethylene glycol monobutyl ether

**French RG number Title**

RG 84 Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table).  
 Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them

RG 84 Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table).  
 Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them

112-34-5

2-(2-BUTOXYETHOXY)ETHANOL



57-55-6	Propylene glycol	RG 84	Diseases caused by liquid organic solvents for professional use. Health effects caused by professional use of liquid organic solvents (indicated in the table). Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
7647-14-5	Sodium chloride	RG 78	

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Persistent Organic Pollutants**

Not applicable

**Authorizations (Annex XIV) and/or restrictions on use (Annex XVII), Regulation (CE) 1907/2006**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Annex XIV Authorisation List</u>	<u>Annex XVII Restricted list</u>
112-34-5	2-(2-BUTOXYETHOXY)ETHANOL	No	Yes

**EU Substances of Very High Concern**

<u>CAS-No.</u>	<u>Chemical Name</u>
No items on this list exist.	

**International Inventories**

TSCA	-
DSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

**16. Other Information**

<b>Revision Date</b>	3/23/2021	<b>Supersedes Date</b>	New MSDS
<b>Reason for revision</b>	No Information		

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006