

## Safety Data Sheet

**GLASS CLEANER 19 oz**

Version 6.3

Revision Date 05/20/2015

Print Date 05/23/2015

**SECTION 1. IDENTIFICATION**

Commercial Product Name : GLASS CLEANER 19 oz  
Product number : 8890925  
SDS-Identcode : 10033615  
Product Use Description : Cleaning agent  
Company : Würth USA Inc.  
93 Grant St.  
07446 Ramsey, NJ  
USA  
Telephone : +1 201 825 27 10  
Telefax : +1 201 825 16 43  
Responsible/issuing person : prodsafe@wuerth.com  
Emergency telephone number : +1 800 255 3924

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Gases under pressure : Liquefied gas

**GHS Label element**

Hazard pictograms :



Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.

Precautionary statements : **Storage:**  
P410 + P403 Protect from sunlight. Store in a well-ventilated place.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Weight percent- Weight percent
ethanol	64-17-5	>= 1 - < 5
propane	74-98-6	>= 1 - < 5
2-butoxyethanol	111-76-2	>= 1 - < 5
butane	106-97-8	>= 1 - < 5

**SECTION 4. FIRST AID MEASURES**

- General advice : If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- Inhalation : If breathed in, move person into fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary.
- Skin contact : Immediately flush skin with large amounts of water.
- Eye contact : If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : If swallowed, DO NOT induce vomiting. If symptoms persist, call a physician. If a person vomits when lying on his back, place him in the recovery position.

**Notes to physician**

- Treatment : Treat symptomatically and supportively.

**SECTION 5. FIREFIGHTING MEASURES**

- Form : Aerosol containing a liquefied gas
- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Water mist  
Foam  
Dry powder

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- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Hazardous decomposition products may be formed under fire conditions (see section 10).  
Exposure to decomposition products may be a hazard to health.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.  
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Refer to protective measures listed in sections 7 and 8.  
Ensure adequate ventilation, especially in confined areas.  
Avoid inhalation of vapour or mist.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.  
Clean contaminated surface thoroughly.

CERCLA Hazardous substances and corresponding RQs:

111-76-2	<i>final RQ</i>
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**SECTION 7. HANDLING AND STORAGE****Handling**

Handling : For personal protection see section 8.  
Limit the stocks at work place.  
Use only in well-ventilated areas.  
Do not breathe vapours or spray mist.  
Avoid contact with skin and eyes.  
Do not spray on a naked flame or any incandescent material.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Dust explosion class : Not applicable

**Storage**

Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.  
Keep containers tightly closed in a dry, cool and well-ventilated place.  
Protect from frost, heat and sunlight.  
Please observe the storage instructions for aerosols!

Advice on common storage : Keep away from food, drink and animal feedingstuffs.  
Incompatible with acids.

Storage temperature : < 49 °C (< 120 °F)

Other data : No decomposition if stored and applied as directed.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

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Components	CAS-No.	List	Type:	Value	Update
ethanol	64-17-5	OSHA Z-1	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	1997-08-04
		NIOSH REL	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	2013-10-08
		OSHA P0	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	1989-01-19
		ACGIH	STEL	1,000 ppm	2013-03-01
propane	74-98-6	OSHA Z-1	TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	1997-08-04
		NIOSH REL	TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	2013-10-08
		OSHA P0	TWA	1,000 ppm 1,800 mg/m <sup>3</sup>	1989-01-19
2-butoxyethanol	111-76-2	ACGIH	TWA	20 ppm	2013-03-01
		OSHA Z-1	TWA	50 ppm 240 mg/m <sup>3</sup>	1997-08-04
		NIOSH REL	TWA	5 ppm 24 mg/m <sup>3</sup>	2005-09-01
		OSHA P0	TWA	25 ppm 120 mg/m <sup>3</sup>	1989-01-19
butane	106-97-8	NIOSH REL	TWA	800 ppm 1,900 mg/m <sup>3</sup>	2013-10-08
		OSHA P0	TWA	800 ppm 1,900 mg/m <sup>3</sup>	1989-01-19
		ACGIH	STEL	1,000 ppm	2014-03-01

- Engineering measures : Provide adequate ventilation.
- Eye protection : In case of splash hazard, please wear protective goggles.
- Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
General industrial hygiene practice.  
Do not inhale aerosol.

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Avoid contact with skin, eyes and clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
Wash contaminated clothing before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: Aerosol containing a liquefied gas
Physical state	: aerosol
Colour	: colourless
Odour	: characteristic
Odour Threshold	: No data available
Flash point	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flammability	: No data available
Molecular weight	: No data available
pH	: 9.5 - 10.5
Freezing point	: No data available
Boiling point/boiling range	: ca.96.1 °C(205.0 °F)
Vapour pressure	: No data available
Relative vapour density	: No data available
Evaporation rate	: No data available
Density	: ca.0.9604 g/cm <sup>3</sup>
Relative density	: No data available
Bulk density	: No data available
Water solubility	: completely soluble
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available

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Volatile organic : 9.7 %  
compounds (VOC) content 93 g/l

**SECTION 10. STABILITY AND REACTIVITY**

Materials to avoid : Acids

Hazardous decomposition products : Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

Hazardous reactions : Note: No decomposition if stored and applied as directed.

If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute dermal toxicity : LD50 Rat  
Dose: 7,571 mg/kg

Acute inhalation toxicity : Acute toxicity estimate  
Exposure time: 4 h  
Dose: > 40 mg/l  
Method: Calculation method

Carcinogenicity : No data is available on the product itself.  
Reproductive toxicity : No data is available on the product itself.  
Teratogenicity : No data is available on the product itself.  
Further information : Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

**Component:**

2-butoxyethanol

111-76-2

Acute oral toxicity: LD50 Rat  
Dose: 1,746 mg/kg  
Method: OECD Test Guideline 401

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Acute dermal toxicity: LD50

Dose: &gt; 1,000 - 2,000 mg/kg

Acute inhalation toxicity: LC50

Dose: &gt; 10 - 20 mg/l/Exposure time: 4 h

Skin irritation: Rabbit

Result: irritating

Method: Directive 67/548/EEC, Annex V, B.4.

Eye irritation: Rabbit

Result: Irritation to eyes, reversing within 7 days

Method: OECD Test Guideline 405

Carcinogenicity: Not classifiable as a human carcinogen.Reproductive toxicity: No toxicity to reproductionTeratogenicity: Animal testing did not show any effects on foetal development.

butane

106-97-8

Acute inhalation toxicity: LC50 Rat

Dose: 658 mg/l/Exposure time: 4 h

**Carcinogenicity:****OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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**SECTION 12. ECOLOGICAL INFORMATION**

Volatile organic compounds (VOC) content : 9.7 %

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.



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**Component:**

2-butoxyethanol

111-76-2

Toxicity to fish:

LC50

Species: Oncorhynchus mykiss (rainbow trout)

Dose: 1,474 mg/l

Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia magna (Water flea)

Dose: 1,550 mg/l

Exposure time: 48 h

Toxicity to algae:

EC50

Species: Pseudokirchneriella subcapitata (green algae)

Dose: 911 mg/l

Exposure time: 72 h

Toxicity to algae:

NOEC

Species: Pseudokirchneriella subcapitata (green algae)

Dose: 88 mg/l

Exposure time: 72 h

**SECTION 13. DISPOSAL CONSIDERATIONS**

Adequate disposal : In accordance with local and national regulations.

**SECTION 14. TRANSPORT INFORMATION****DOT 49 CFR**

ID No : UN 1950

Proper shipping name : Aerosols

Class : 2.2

Labels : 2.2

Emergency Response : 126

Guidebook Number

**TDGR**

ID No : UN 1950

Proper shipping name : AEROSOLS

Class : 2.2

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Labels : 2.2

**ICAO/IATA-DGR**

ID No : UN 1950  
Proper shipping name : Aerosols, non-flammable  
Class : 2.2  
ICAO-Labels : 2.2  
Packing instruction (cargo aircraft) : 203  
Packing instruction (passenger aircraft) : 203  
Packing instruction (passenger aircraft) : Y203  
Environmentally hazardous : no

**IMDG-Code**

ID No : UN 1950  
Description of the goods : AEROSOLS  
  
Class : 2.2  
IMDG-Labels : 2.2  
EmS Number 1 : F-D  
EmS Number 2 : S-U  
  
Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION****SARA 311/312 Hazards** : Sudden Release of Pressure Hazard**CERCLA Reportable Quantity** : Calculated RQ exceeds reasonably attainable upper limit.

This material does not contain any components with a CERCLA RQ.

**PENN RTK**

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
water	7732-18-5
ethanol	64-17-5

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propane	74-98-6
2-butoxyethanol	111-76-2
butane	106-97-8

**MASS RTK**

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
ethanol	64-17-5
propane	74-98-6
2-butoxyethanol	111-76-2
butane	106-97-8

**NJ RTK**

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

<u>Components</u>	<u>CAS-No.</u>
water	7732-18-5
ethanol	64-17-5
propane	74-98-6
2-butoxyethanol	111-76-2
butane	106-97-8

**California Prop. 65**

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

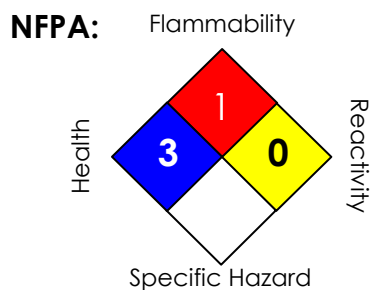
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**SECTION 16. OTHER INFORMATION**
**Further information**

**HMIS III:**

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL</b>	<b>2</b>

0 = Insignificant, 1 = Slight,  
2 = Moderate, 3 = High, 4 = Extreme

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Revision Date : 05/20/2015

Date of last issue : 05/04/2015

Date of first issue : 11/29/2010