

## Safety data sheet

Revision: 28-09-2015  
Replaces: 22-11-2013  
Version: 02.00/GBR

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

#### 1.1. Product identifier

Trade name: Glass Cleaner

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

Recommended uses: Glass cleaner

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

Supplier: Guardian Protection Products A/S  
Knudevejen 22  
6600 Vejen  
Denmark  
Tel: +45 75471767  
Fax: +45 75471787  
Email: guardian@guardian.dk

#### 1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

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### SECTION 2: Hazards identification

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

CLP-classification (Regulation (EC) No 1272/2008): Aerosol 3;H229

*Please see section 16 for the full text of H-phrases.*

Most serious harmful effects: Pressurised container: May burst if heated.  
The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

#### 2.2. Label elements

Signal word: Warning

H-phrases: Pressurised container: May burst if heated.(H229)

P-phrases: Keep out of reach of children.(P102)  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.(P210)  
Do not pierce or burn, even after use.(P251)  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.(P410/412)

Supplemental information: 28 % by mass of the contents are flammable.

### 2.3. Other hazards

Assessment to determine PBT and vPvB has not been made

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Registration number	CAS/EC Number	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w% Note
.	64-17-5-a	ethanol	Flam. Liq. 2;H225	5-15 .
.	200-578-6	.	-	. .
.	124-38-9-liq	Carbon dioxide	Press. Gas liq. gas;H280	1-5 12
.	204-696-9	.	.	. .
.	67-63-0	propan-2-ol	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	0,5- 1,5 .
.	200-661-7	.	.	. .
.	68585-34-2-b	Lauryl sodium ethersulfate	Skin Irrit. 2;H315 Eye Dam. 2;H319	<1 .
.	--	.	.	. .

12) The substance is included in the EU list of limit values for occupational exposure

*Please see section 16 for the full text of H-phrases.*

Other information: Any letters after the CAS number refer to individual data sets.  
Pursuant to Regulation (EC) No. 648/2004 on detergents:  
less than 5%: anionic surfactants

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eyes: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Burns: Flush with water until pain ceases. Remove clothing that is not stuck to the skin – seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

Other information: When obtaining medical advice, show the safety data sheet or label.

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

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

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

Treat symptoms. No special immediate treatment required.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media Do not use water stream, as it may spread the fire.

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

Heating will cause a rise in pressure in packaging with a risk of bursting. CAUTION! Aerosol

containers may explode. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases – seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

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## SECTION 6: Accidental release measures

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

For non-emergency personnel: Stay upwind/keep distance from source. Provide adequate ventilation. Smoking and naked flames prohibited.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

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

Wipe up drops and splashes with a cloth. Provide good ventilation.

### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work. Smoking and naked flames prohibited. Use the product under well-ventilated conditions.

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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Pressurized container: Protect from sunlight and do not expose to temperatures exceeding 50°C.

### 7.3. Specific end use(s)

None.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Comments
Carbon dioxide	5000 (8h), 15000 (15m) ppm 9150 (8h), 27400 (15m) mg/m <sup>3</sup>	
ethanol	1000 (8h), - (15m) ppm 1920 (8h), - (15m) mg/m <sup>3</sup>	
propan-2-ol	400 (8h), 500 (15m) ppm 999 (8h), 1250 (15m) mg/m <sup>3</sup>	

Legal basis: EH40/2005 Workplace exposure limits. Last amended December 2011.

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

### 8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, skin protection: Wear gloves. Type of material: Nitrile rubber. Gloves must conform to EN 374.

Personal protective equipment, Not required.

respiratory protection:

Environmental exposure controls: Ensure compliance with local regulations for emissions.

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## **SECTION 9: Physical and chemical properties**

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

State:	Aerosol
Colour:	Clear
Odour:	Weak Alcohol
Odour threshold:	No data
pH (solution for use):	No data
pH (concentrate):	No data
Melting point/freezing point:	No data
Initial boiling point and boiling range:	No data
Flash point:	35 °C
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability limits:	No data
Upper/lower explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data
Relative density:	0,88
Solubility:	No data
Partition coefficient n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidising properties:	No data

### **9.2. Other information**

None.

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## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Reacts with the following: Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

### **10.2. Chemical stability**

The product is stable when used in accordance with the supplier's directions.

### **10.3. Possibility of hazardous reactions**

None known.

### **10.4. Conditions to avoid**

Do not expose to heat (e.g. sunlight). Avoid temperatures 50°C.

### **10.5. Incompatible materials**

Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

### **10.6. Hazardous decomposition products**

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity - oral: Spray mist in mouth may irritate mucous membranes in mouth and throat. The product does not have to be classified.

68585-34-2-b: Rat: LD50 = >2000 mg/kg

Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	May cause slight irritation. The product does not have to be classified. Test data are not available.
Serious eye damage/eye irritation:	Temporary irritation. The product does not have to be classified. Test data are not available.
Respiratory sensitisation or skin sensitisation:	The product does not have to be classified. Test data are not available.
Germ cell mutagenicity:	The product does not have to be classified. Test data are not available.
Carcinogenic properties:	The product does not have to be classified. Test data are not available.
Reproductive toxicity:	The product does not have to be classified. Test data are not available.
Single STOT exposure:	The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. The product does not have to be classified. Test data are not available.
Repeated STOT exposure:	The product does not have to be classified. Test data are not available.
Aspiration hazard:	The product does not have to be classified. Test data are not available.
Other toxicological effects:	None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity:

64-17-5-a: Fish: Name of species not specified: 96hLC50 = 1300 mg/l  
68585-34-2-b: Fish: Name of species not specified: 96hLC50 >1 mg/l

### 12.2. Persistence and degradability

Expected to be biodegradable. Test data are not available for all substances

64-17-5-a: Readily biodegradable. .

### 12.3. Bioaccumulative potential

Test data are not available.

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

No assessment has been made.

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid unnecessary release to the environment.

Do not dispose of aerosol sprays in refuse collection, even when empty. The sprays must be sent

to the municipal chemical waste collection facility with the specifications set out below.

Aerosol sprays:

EWC code: 16 05 04 Gases in pressure containers containing dangerous substances.

Wiping cloths with organic solvents:

EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified),

wiping cloths, protective clothing contaminated by dangerous substances

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## SECTION 14: Transport information

### ADR/RID

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.2

14.4. Packing group -

Hazard identification number -

Tunnel restriction code: E

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

### ADN

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.2

14.4. Packing group -

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

Transport in tank vessels: -

### IMDG

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS

14.3. Transport hazard class(es) 2.2

14.4. Packing group -

14.5. Environmental hazards The product is not a Marine Pollutant (MP).

IMDG Code segregation group: -

### ICAO/IATA

14.1. UN number 1950

14.2. UN proper shipping name AEROSOLS, NON-FLAMMABLE

14.3. Transport hazard class(es) 2.2

14.4. Packing group -

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

### 14.6. Special precautions for user

None.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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## SECTION 15: Regulatory information

Covered by: Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. (as subsequently amended)

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

Special provisions: None.

### 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

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## SECTION 16: Other information

Changes have been made in the following sections: 1-16

Abbreviation explanations:

PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very Persistent and Very Bioaccumulative  
STOT: Specific Target Organ Toxicity

Classification method:

Calculation based on the hazards of the known components.

H-phrases:

H225 Highly flammable liquid and vapour.  
H229 Pressurised container: May burst if heated.  
H280 Contains gas under pressure, may explode if heated.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

Training:

A thorough knowledge of this safety data sheet should be a prerequisite condition.

Other information:

This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.