

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 7 Jan 2021

Print date: 14 Jan 2021

Version: 2.1

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Active Glass Cleaner

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

1.1 Product identifier

Trade name/designation:

Active Glass Cleaner

Other means of identification:

UFI: KR10-90MH-X00H-260M

Article No.:

SRS-500

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

Use of the substance/mixture:

cleaner.

Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ProGlass GmbH

Michael-Becker-Str. 2

73235 Weilheim an der Teck

GERMANY

Telephone: +49 7023 90013-0

Telefax: +49 7023 90013-23

E-mail: info@proglass.de

Website: www.proglass.de

E-mail (competent person): info@proglass.de

1.4 Emergency phone number

24h: +49 551 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation
Aerosols (<i>Aerosol 1</i>)	H222; H229: Extremely flammable aerosol.; Pressurised container: May burst if heated.	Assessment

2.2 Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark

Signal word: Danger

Hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

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Hazard statements for health hazards

H319 Causes serious eye irritation.

Precautionary statements - Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P243 Take action to prevent static discharges.

P251 Do not pierce or burn, even after use.

Precautionary statements - Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary statements - Storage

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Special rules for supplemental label elements for certain mixtures:

Labelling for contents according to regulation (EC) No. 648/2004:

5 -15 % aliphatic hydrocarbons

< 5 % anionic surfactants

Contains: perfumes, (D)-Limonene

Additional information:

Without adequate ventilation explosive gasmixtures may form.

2.3 Other hazards

Adverse human health effects and symptoms:

May cause drowsiness or dizziness.











Adverse environmental effects:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Ingredients:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Content
CAS No.: 67-63-0 EC No.: 200-661-7 REACH No.: 01-2119457558-25	Isopropanol Eye Irrit. 2, Flam. Liq. 2, STOT SE 3   Danger H225-H319-H336	10 - 20 weight-%
CAS No.: 74-98-6 EC No.: 200-827-9 REACH No.: 01-2119486944-21	Propane Flam. Gas 1, Press. Gas   Danger H220	1 - 10 weight-%
CAS No.: 106-97-8 EC No.: 203-448-7	butane Flam. Gas 1, Press. Gas   Danger H220	1 - 10 weight-%
CAS No.: 75-28-5 EC No.: 200-857-2	isobutane Flam. Gas 1, Press. Gas   Danger H220	1 - 10 weight-%
CAS No.: 1336-21-6 EC No.: 215-647-6 REACH No.: 01-2119488876-14	ammonia, aqueous solution Aquatic Acute 1, Skin Corr. 1B   Danger H314-H400	< 0.15 weight-%

Full text of H- and EUH-phrases: see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell.

In case of skin contact:

Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. May cause drowsiness or dizziness.

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 jet, alcohol resistant foam, extinguishing powder, carbon dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Heating causes rise in pressure with risk of bursting. Vapours can form explosive mixtures with air.

Hazardous combustion products:

In case of fire may be liberated: carbon oxides (CO_x); gases/vapours, toxic.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Heating causes rise in pressure with risk of bursting. Move undamaged containers from immediate hazard area if it can be done safely. Beware of reignition. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Personal precautions:

Eliminate all ignition sources if safe to do so. Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Do not breathe the gas/vapour/aerosol. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

Emergency procedures:

Avoid contact with skin, eyes and clothes.

6.1.2 For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8.

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6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment:

Wipe with absorbent material (e.g. cloth, fleece). In case and large quantities: Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Water with tenside additive

6.4 Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

6.5 Additional information

Collect in closed and suitable containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling:

Provide adequate ventilation as well as local exhaustion at critical locations. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not breathe gas/vapour/aerosol. Avoid contact with eyes and skin. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Environmental precautions:

Discharge into the environment must be avoided.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Avoid contact with eyes and skin. Wash hands and face before breaks and after work and take a shower if necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Requirements for storage rooms and vessels:

Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container.

Hints on storage assembly:

Keep away from combustible material. Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions:

Protect from sunlight.

7.3 Specific end use(s)

Recommendation:

Glass Cleaner.

Observe instructions for use.

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SECTION 8: Exposure controls / Personal protection

8.1 Control parameters

8.1.1 Occupational exposure limit values

Limit value type (country)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
WEL (GB)	Isopropanol CAS No.: 67-63-0	① 400 ppm (999 mg/m ³) ② 500 ppm (1,250 mg/m ³)
WEL (GB)	butane CAS No.: 106-97-8	① 600 ppm (1,450 mg/m ³) ② 750 ppm (1,810 mg/m ³)
IOELV (EU)	ammonia, aqueous solution CAS No.: 1336-21-6	① 20 ppm (14 mg/m ³) ② 50 ppm (36 mg/m ³)
WEL (GB)	ammonia, aqueous solution CAS No.: 1336-21-6	① 25 ppm (18 mg/m ³) ② 35 ppm (25 mg/m ³)

8.1.2 Biological limit values

No data available.

8.1.3 DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Isopropanol CAS No.: 67-63-0	500 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
Isopropanol CAS No.: 67-63-0	89 mg/m ³	① DNEL consumer ② Long-term - inhalation, systemic effects
Isopropanol CAS No.: 67-63-0	888 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
Isopropanol CAS No.: 67-63-0	319 mg/kg	① DNEL consumer ② Long-term - dermal, systemic effects
Isopropanol CAS No.: 67-63-0	26 mg/kg	① DNEL consumer ② Long-term - oral, systemic effects

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Technical ventilation of workplace / Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.2 Personal protection equipment



Eye/face protection:

Eye glasses with side protection (EN 166).

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Skin protection:

Wear suitable gloves (EN ISO 374).
Suitable material: NBR (Nitrile rubber)
Material thickness: $\geq 0,35\text{mm}$
Breakthrough time:: not determined

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

Usually no personal respiratory protection necessary. Provide adequate ventilation. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Suitable respiratory protection apparatus: Combination filtering device, Filter type A-P2.

Other protection measures:

Wear anti-static footwear and clothing

8.2.3 Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Aerosol (liquid)

Colour: colourless, clear

Odour: after Isopropanol

Safety relevant basic data

Parameter		at	Method	Remark
pH	9.5	20 °C		
Melting point	<i>not applicable</i>			
Freezing point	<i>not applicable</i>			
Initial boiling point and boiling range	<i>not applicable</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	-60 °C			
Evaporation rate	<i>not applicable</i>			
Auto-ignition temperature	365 °C			
Upper/lower flammability or explosive limits	2 - 12 Vol-%			
Vapour pressure	4,000 hPa	20 °C		Ethyl acetate
Vapour density	<i>not determined</i>			
Density	0.91 g/ml	20 °C		
Bulk density	<i>not applicable</i>			
Water solubility	slightly soluble	20 °C		
Partition coefficient: n-octanol/ water	<i>not determined</i>			
Dynamic viscosity	<i>not applicable</i>			
Kinematic viscosity	<i>not applicable</i>			
VOC content (EU)	24.54 %			

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Extremely flammable aerosol.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

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10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions. Possibility of hazardous reactions/Exothermic reaction with: Oxidising agent, aldehydes, Alkali (lye), Acids.

10.4 Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

In case of fire may be liberated: carbon oxides (COx); Gases/vapours, toxic

Further information

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

CAS No.	Substance name	Toxicological information
74-98-6	Propane	LC₅₀ Acute inhalation toxicity (gas): >20 mg/L 4 h (Rat)
67-63-0	Isopropanol	LD₅₀ oral: 5,000 mg/kg (Rat) LD₅₀ dermal: 5,000 mg/kg (Rabbit)

Acute oral toxicity:

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

May cause drowsiness or dizziness.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Based on available data, the classification criteria are not met.

Assessment/classification:

No data available.

12.2 Persistence and degradability

Biodegradation:

Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Accumulation / Evaluation:

No indication of bioaccumulation potential.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.





Other disposal recommendations:

The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Collect in closed and suitable containers for disposal. Do not allow to enter into surface water or drains.

13.2 Additional information

Waste for disposal is to be classified and labelled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.1 UN-No.			
1950	1950	1950	1950
14.2 UN proper shipping name			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS, flammable
14.3 Transport hazard class(es)			
 2.1	 2.1	 2.1	 2.1

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.4 Packing group			
No data available.			
14.5 Environmental hazards			
No	No	No	No
14.6 Special precautions for user			
No data available.			

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

not determined

Additional information:

ADR/RID/ADN: Classification code: 5F

Transport as "Limited Quantity" according to chapter 3.4 ADR/RID.

Transport as "Excepted Quantity" according to chapter 3.5 ADR/RID

SECTION 15: Regulatory information

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

15.1.1 EU legislation

Restrictions on use:

Use restriction according to REACH annex XVII, no.: 3

Other EU regulations:

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.1.2 National regulations

No data available.

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Indication of changes

Changes executed in version 2.0:

Section 2, 3: Label elements

General revision

Changes executed in version 2.1:

Section 1: UFI

General revision

16.2 Abbreviations and acronyms

See overview table at www.euphrac.eu

16.3 Key literature references and sources for data

European Chemicals Agency (ECHA): <http://www.echa.europa.eu>

ECHA, C&L Inventory: <http://echa.europa.eu/information-on-chemicals/cl-inventory-database>

ECHA, Registered substances: <http://echa.europa.eu/information-on-chemicals/registered-substances>

GESTIS (Gefahrstoffinformationssystem der DGUV): <http://www.dguv.de/ifa/GESTIS/index.jsp>

Hörsath Gefährliche Stoffe und Gemische, 8. Auflage, Dr. Angela Schulz

Safety data sheets of the manufacturers

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16.4 Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation
Aerosols (<i>Aerosol 1</i>)	H222; H229: Extremely flammable aerosol.; Pressurised container: May burst if heated.	Assessment

16.5 Relevant H- and EUH-phrases

Hazard statements	
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

16.6 Training advice

No data available.

16.7 Additional information

The information in this safety data sheet has been established to our best knowledge and was up-to-date at time of revision. The information is intended to give you advice about the safe handling of the product for storage, processing, transport and disposal. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.