

SAFETY DATA SHEET Glass Clear

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name Glass Clear

Product number 177-5

UFI: QGFX-M0PA-R00G-9JA4

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

Identified uses Glass cleaner.

Uses advised against For professional use only. This product is not recommended for any industrial, professional or

consumer use other than the Identified uses above.

1.3. Details of the supplier of the safety data sheet

Supplier Autosmart International Ltd

Lynn Lane

Shenstone, nr Lichfield Staffordshire. WS14 0DH

England

www.autosmartinternational.com

Tel: +44 (0) 1543 481616 (09:00 - 17:00)

SHREQ@autosmart.co.uk

Contact person Mr. Russell Butler

Manufacturer Autosmart International Ltd

Lynn Lane,

Shenstone, nr Lichfield Staffordshire. WS14 0DH

England

www.autosmartinternational.com

Tel: +44 (0) 1543 481616 (09:00 - 17:00) info@autosmartinternational.com

1.4. Emergency telephone number

Emergency telephone NCEC - For Chemical Emergency Support ONLY (spill, leak, fire, exposure or accident), Call

NCEC at +44 1865 407333 (24Hrs UK)

when calling please quote "AUTOSMART 29003-NCEC"

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you

healthcare advice or direct you to the local service that can help you best.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves.

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.

UFI: QGFX-M0PA-R00G-9JA4

Detergent labelling < 5% perfumes

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

propan-2-ol 10<15%

CAS number: 67-63-0 EC number: 200-661-7

Substance with a Community workplace exposure limit.

Classification

Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336

2-butoxyethanol 5<10%

CAS number: 111-76-2 EC number: 203-905-0

Substance with a Community workplace exposure limit.

Classification

Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any

discomfort continues.

Skin contact Remove contaminated clothing. Rinse with water. Use suitable lotion to moisturise skin. Get

medical attention if any discomfort continues.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort

continues.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure.

Inhalation No specific symptoms known.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact Prolonged contact may cause redness and/or tearing.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Oxides of the following substances: Carbon. Nitrogen. No unusual fire or explosion hazards

noted.

Hazardous combustion

products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and

other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during

firefighting

No specific firefighting precautions known.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. To prevent release, place

container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

Contain spillage with sand, earth or other suitable non-combustible material.

Glass Clear

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if possible without risk. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. Avoid the spillage or runoff entering drains, sewers or watercourses. Flush away spillage with plenty of water. Wash thoroughly after dealing with a spillage. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Avoid spilling. Avoid contact with skin and

eyes

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store in

closed original container at temperatures between 5°C and 30°C. Keep above the chemical's

freezing point to avoid rupturing the container.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

propan-2-ol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³ Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

2-butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m $^{\rm 3}$ Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m $^{\rm 3}$

Sk, BMGV

WEL = Workplace Exposure Limit. Sk = Can be absorbed through the skin. BMGV = Biological monitoring guidance value.

propan-2-ol (CAS: 67-63-0)

DNEL Industry - Inhalation; Long term systemic effects: 500 mg/m³

Consumer - Dermal; Long term systemic effects: 319 mg/kg/day Consumer - Oral; Long term systemic effects: 26 mg/kg/day Consumer - Inhalation; Long term systemic effects: 89 mg/m³ Industry - Dermal; Long term systemic effects: 888 mg/kg/day

PNEC - Fresh water; 140.9 mg/l

marine water; 140.9 mg/lIntermittent release; 140.9 mg/lSediment (Freshwater); 552 mg/kg

- Sediment (Marinewater); 552 mg/kg

STP; 2251 mg/lSoil; 28 mg/kg

2-butoxyethanol (CAS: 111-76-2)

DNEL Industry - Dermal; Short term : 89 mg/kg/day

Industry - Inhalation; Short term: 246 mg/m³ Industry - Dermal; Long term: 75 mg/kg/day Industry - Inhalation; Long term: 98 mg/m³ Consumer - Dermal; Short term: 44.5 mg/kg/day Consumer - Inhalation; Short term: 123 mg/m³

Consumer - Inhalation; Short term: 123 mg/m³ Consumer - Oral; Short term: 13.4 mg/kg/day Consumer - Dermal; Long term: 38 mg/kg/day Consumer - Inhalation; Long term: 49 mg/m³

PNEC - Fresh water; 8.8 mg/l

- marine water; 0.88 mg/l

- Sediment (Freshwater); 8.14 mg/kg

Soil; 2.8 mg/kgSTP; 463 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. When used with mixtures, the protection time of gloves cannot be accurately estimated. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Thickness: > 0.2 mm The selected gloves should have a breakthrough time of at least 0.5 hours. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Use thin cotton gloves inside natural rubber gloves if there is an allergy risk to natural rubber.

Other skin and body

protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash

station.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Green.

Odour Pleasant, agreeable.

Odour threshold Not available. Not available.

pH (concentrated solution): ~ 7.7 pH (diluted solution): ~ 6.0 @ 1%

Melting point ~ 0°C

Initial boiling point and range ~ 100 @°C @ 760 mm Hg

Flash point >99°C Does not flash. Not applicable.

Evaporation rate Not available.

Upper/lower flammability or Not applicable.

explosive limits

Vapour pressure Not applicable.

Vapour density Not applicable.

Relative density 0.984 @ (20°C)°C

Solubility(ies) Soluble in water.

Glass Clear

Partition coefficient Not available. **Auto-ignition temperature** Not applicable. Not available. **Decomposition Temperature** ~ 1 cSt @ 20°C

Oxidising properties Does not meet the criteria for classification as oxidising.

Comments Information declared as "Not available" or "Not applicable" is not considered to be relevant to

the implementation of the proper control measures.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 153 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

Viscosity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns. Stable at normal ambient temperatures and when used as

recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not relevant. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid freezing.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a

hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition

products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other health effects There is no evidence that the product can cause cancer.

Acute toxicity - oral

ATE oral (mg/kg) 23,214.29

Acute toxicity - dermal

ATE dermal (mg/kg) 19,642.86

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 196.43

Skin corrosion/irritation

Human skin model test Scientifically unjustified.

Extreme pH Moderate pH (> 2 and < 11.5).

Glass Clear

General information This product has low toxicity. Only large quantities are likely to have adverse effects on

human health.

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed.

Skin contact May cause defatting of the skin but is not an irritant.

Eye contact Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health

hazards

Because of the product's quantity and composition, the health hazard is regarded as low. No specific long-term effects known. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain

individuals with pre-existing or latent health problems.

Route of exposure Ingestion.

Medical symptoms No specific symptoms noted, but this chemical may still have adverse health impact, either in

general or on certain individuals.

Toxicological information on ingredients.

propan-2-ol

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

5,840.0

Species Rat

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 16.4

mg/kg)

Species

Rabbit

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal dataBased on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye Causes serious eye irritation.

damage/irritation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Respiratory sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitroBased on available data the classification criteria are not met.

Glass Clear

Carcinogenicity

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

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity -

fertility

Based on available data the classification criteria are not met.

Reproductive toxicity -

development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 3 - H336 May cause drowsiness or dizziness.

Target organs Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met. Entry into the lungs

following ingestion or vomiting may cause chemical pneumonitis.

General information The severity of the symptoms described will vary dependent on the concentration

and the length of exposure.

Inhalation A single exposure may cause the following adverse effects: Headache. Nausea,

vomiting. Central nervous system depression. Drowsiness, dizziness,

disorientation, vertigo. Narcotic effect.

Ingestion A single exposure may cause the following adverse effects: Confusion, agitation

and/or excitation. Symptoms following overexposure may include the following: May

cause nausea, headache, dizziness and intoxication. Unconsciousness.

Skin contact A single exposure may cause the following adverse effects: Temporary irritation.

Prolonged contact may cause dryness of the skin.

Eye contact Irritating to eyes.

Route of exposure Ingestion Inhalation Skin and/or eye contact

Target organs Central nervous system

2-butoxyethanol

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

1,300.0

Species Rat

ATE oral (mg/kg) 1,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,270.0

mg/kg)

Glass Clear

Species Rat

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (vapours 1

mg/l)

11.0

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Gene mutation:: Negative. This substance has no evidence of mutagenic

properties.

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity -

fertility

Fertility: - NOAEL 720 mg/kg, , Mouse

Reproductive toxicity - development

Developmental toxicity: - NOAEL: 100 mg/kg, , Rat

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment. The product components are not classified

as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product is not expected to be hazardous to wastewater treatment processes. The product does not contain organically bound halogen. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

Ecological information on ingredients.

propan-2-ol

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills

may have hazardous effects on the environment.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish Not determined.

Acute toxicity - aquatic

Not determined.

invertebrates

Acute toxicity - aquatic plants Not determined.

Acute toxicity - Not determined.

microorganisms

Not determined.

Acute toxicity - terrestrial Not determined.

Ecological information on ingredients.

propan-2-ol

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

Glass Clear

Acute aquatic toxicity

LC50, 96 hours: ~ 9640 mg/l, Pimephales promelas (Fat-head Minnow) Acute toxicity - fish

Acute toxicity - aquatic

invertebrates

EC₅₀, >: > 1000 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅o, 72 hours: > 1000 mg/l, Scenedesmus subspicatus

Acute toxicity -

microorganisms

EC₅₀, >: > 1000 mg/l, Activated sludge

2-butoxyethanol

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: > 100 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 1550 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅₀, >: > 100 mg/l,

Acute toxicity -

microorganisms

EC₅₀, >: > 1000 mg/l,

Chronic aquatic toxicity

Chronic toxicity - fish early NOEC, 21 days: > 100 mg/l,

life stage

Chronic toxicity - aquatic

invertebrates

NOEC, 21 days: 100 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria

as laid down in The Detergents Regulations (as amended). The product is biodegradable but

it must not be discharged into drains without permission from the authorities.

Ecological information on ingredients.

propan-2-ol

Persistence and

degradability

The product is readily biodegradable.

Biodegradation Degradation (%)

- 95: 21 days

Biological oxygen demand ~ 1171 g O₂/g substance

Chemical oxygen demand ~ 2294 g O₂/g substance

2-butoxyethanol

Persistence and degradability

The product is biodegradable.

Biodegradation Water - Degradation (%) 90.4: 28 days

12.3. Bioaccumulative potential

Glass Clear

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Not available.

Ecological information on ingredients.

propan-2-ol

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient log Pow: 0.05

2-butoxyethanol

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient : 0.81

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

propan-2-ol

Mobility The product is water-soluble and may spread in water systems. Volatile liquid. The

product contains organic solvents which will evaporate easily from all surfaces.

Adsorption/desorption

coefficient

Water - Koc: ~ 1.1 @ °C

Henry's law constant 0.00000338 atm m3/mol @ 25°C

2-butoxyethanol

Mobility The product contains volatile organic compounds (VOCs) which will evaporate

easily from all surfaces.

Adsorption/desorption

coefficient

Water - Koc: ~ 67 @ °C

Henry's law constant 0.000016 atm m3/mol @ °C

Surface tension 65 mN/m @ °C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvBThis product does not contain any substances classified as PBT or vPvB.

assessment

Ecological information on ingredients.

propan-2-ol

Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current UK criteria.

assessment

2-butoxyethanol

Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current UK criteria.

assessment

Glass Clear

12.6. Other adverse effects

Other adverse effects Not applicable.

Ecological information on ingredients.

propan-2-ol

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The packaging must be empty (drop-free when inverted).

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority. Packaging: Reuse or recycle products wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Glass Clear

General information This product has been manufactured under ISO 9001 and ISO 14001 Quality and

Environmental Management Systems. Only trained personnel should use this material.

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire,

WS14 0DH, Great Britain.

www.autosmartinternational.com

rbutler@autosmart.co.uk Tel +44 (0)1543 481616

Revision date 16/09/2022

Revision 14

Supersedes date 13/05/2021
SDS status Approved.

Hazard statements in full H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin. H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.