

Safety Data Sheet

according to UK REACH Regulation

Glass Cleaner

Revision date: 31.08.2022

Product code: 1740ONY

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

1.1. Product identifier

Glass Cleaner

UFI: YY0J-6GFD-800X-V0F8

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

Use of the substance/mixture

Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Company name: Onyx Coating GmbH
Street: Hardenbergstr. 12
Place: D-10623 Berlin
Telephone: +49 (0) 30 887889772
e-mail: info@onyxcoating.com
Internet: www.onyxcoating.com

1.4. Emergency telephone number: +49 (0) 30 887889772

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

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

Full text of hazard statements: see SECTION 16.

Containers more than 1L: Reserved for industrial and professional use.
P101, P102 are not listed on the label.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

propan-2-ol; isopropyl alcohol; isopropanol
1-methoxy-2-propanol; monopropylene glycol methyl ether

Signal word: Danger

Pictograms:



Hazard statements

H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.

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P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection/face protection.
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.
P403+P235	Store in a well-ventilated place. Keep cool.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop. Accumulation in closed or lower lying rooms signifies heightened risk of fire or explosion.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

see below Labelling for contents according to regulation (EC) No. 648/2004, perfumes (free of allergens 2003/15/EU), Dye

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	20 - < 25 %
	200-661-7	
	603-117-00-0	
	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	1 - < 5 %
	203-539-1	
	603-064-00-3	
	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336	
7647-01-0	hydrogen chloride	< 0.1 %
	231-595-7	
	017-002-00-2	
	Acute Tox. 3, Skin Corr. 1A; H331 H314	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
67-63-0	200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	20 - < 25 %
		inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = 13400 mg/kg; oral: LD50 = 4570 mg/kg	
107-98-2	203-539-1	1-methoxy-2-propanol; monopropylene glycol methyl ether	1 - < 5 %
		dermal: LD50 = 11000 mg/kg; oral: LD50 = > 5000 mg/kg	
7647-01-0	231-595-7	hydrogen chloride	< 0.1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists)	

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % anionic surfactants, perfumes.

Further Information

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

If victim is at risk of losing consciousness, position and transport on their side.
Remove affected person from the danger area and lay down.

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with: Water.
After cleaning apply high-fat content skin care cream.
Take off immediately all contaminated clothing, including underwear and shoes .

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.
Rinse mouth immediately and drink plenty of water.

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

The following symptoms may occur: Nausea. vomiting. unconsciousness.

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

In the case of spasms: diazepam intravenously. (10-20mg)After ingestion:

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn. The formation of combustible vapours is possible at temperatures above: 10°
alcohol resistant foam.
Extinguishing powder.
Water spray.
Atomized water.
Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.
High power water jet.

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic.
The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

In case of fire and/or explosion do not breathe fumes.
Use water spray jet to protect personnel and to cool endangered containers.
Contaminated fire-fighting water must not get into the sewerage network.
Remove product from area of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition.
Ventilate affected area.

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed containers for disposal.
Ventilate affected area.

6.4. Reference to other sections

Vapours are heavier than air and will spread at floor level.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation of aerosol.
Use only in well-ventilated areas.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.
Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

Advice on general occupational hygiene

Do not breathe gas/vapour/aerosol.
Avoid contact with eyes.
Work in well-ventilated zones or use proper respiratory protection.
Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Hints on joint storage

Do not store together with: Oxidizing agents.

Further information on storage conditions

Recommended storage temperature: up to °C: 30

7.3. Specific end use(s)

Cleaning agent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
7647-01-0	Hydrogen chloride (gas and aerosol mists)	1	2		TWA (8 h)	WEL
		5	8		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn:

NBR (Nitrile rubber). PVA (Polyvinyl alcohol). Butyl rubber. FKM (Fluoroelastomer (Viton)).

Unsuitable material: CR (polychloroprenes, Chloroprene rubber). NR (Natural rubber (Caoutchouc), Natural latex). PVC (Polyvinyl chloride).

Skin protection

Body protection: not required.

Respiratory protection

Respiratory protection necessary at: insufficient ventilation. Insufficient absorption. high concentration.

Handling larger quantities.

Full-/Half-/Quarter-Masks (DIN EN 136/140). a

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear blue
Odour:	Alcohol

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	92 °C
Flash point:	25 °C

Flammability

Solid/liquid:	not applicable
Gas:	not determined

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:	not determined
Upper explosion limits:	12 vol. %
Auto-ignition temperature:	not determined

Self-ignition temperature

Solid:	not applicable
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Gas:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	3,5-4,0
Viscosity / dynamic:	not determined
Water solubility: (at 20 °C)	miscible.
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	0,95 g/cm ³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Oxidizing properties
not oxidizing.

Other safety characteristics

Solvent separation test:	not determined
Solvent content:	27,5%
Evaporation rate:	not determined

Further Information

Not combustible.

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

No risks worthy of mention.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Preparation not tested.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg	4570	Rat	
	dermal	LD50 mg/kg	13400	Rabbit	
	inhalation (4 h) vapour	LC50	30 mg/l	Rat	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	oral	LD50 mg/kg	> 5000	Rat	IUCLID
	dermal	LD50 mg/kg	11000	Rabbit	
7647-01-0	hydrogen chloride				
	inhalation vapour	ATE	3 mg/l		
	inhalation dust/mist	ATE	0,5 mg/l		

Irritation and corrosivity

After skin contact: mild irritant.

Irritant effect on the eye: strongly irritant.

Sensitising effects

weakly sensitizing. (perfumes)

Identification is not obligatory. Please observe the information on the safety data sheet at all times.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Additional information on tests

Has de-greasing effect on the skin.

After cleaning apply high-fat content skin care cream.

Further information

After cleaning apply high-fat content skin care cream.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	>100	96 h	leuciscus idus	
	Acute algae toxicity	ErC50 mg/l	>100	72 h	scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	daphnia magna	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 mg/l	4600 - 10000	96 h	Leuciscus idus	IUCLID
	Acute algae toxicity	ErC50 mg/l	> 1000	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50 mg/l	> 500	48 h	Daphnia magna	IUCLID

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12.2. Persistence and degradability

Abiotic degradation in Air. Indication applies to the solvent.

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	<1
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

12.4. Mobility in soil

Product is easily volatile.

Indication applies to the solvent.

12.5. Results of PBT and vPvB assessment

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

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

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No risks worthy of mention.

Further information

Does not enter into waste water by proper application.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Consult manufacturer about disposal.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

List of Wastes Code - residues/unused products

140603 WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (EXCEPT 07 AND 08); waste organic solvents, refrigerants and foam/aerosol propellants; other solvents and solvent mixtures; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Water with tenside additive.

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1993

14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Isopropanol, Gemisch)

14.3. Transport hazard class(es): 3

14.4. Packing group: III

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Hazard label: 3



Classification code: F1
 Special Provisions: 274 601
 Limited quantity: 5 L
 Excepted quantity: E1
 Transport category: 3
 Hazard No: 30
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Isopropanol, Gemisch)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Special Provisions: 274 601
 Limited quantity: 5 L
 Excepted quantity: E1

Other applicable information (inland waterways transport)

Special provisions: 601

Marine transport (IMDG)

14.1. UN number or ID number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Isopropanol, mixture)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Special Provisions: 223, 274, 955
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-E, S-E

Other applicable information (marine transport)

Special provisions: -

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1993
14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Isopropanol, mixture)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Special Provisions: A3

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Limited quantity Passenger:	10 L	
Passenger LQ:	Y344	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Keep container tightly closed.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2004/42/EC (VOC):

Volatile organic compounds (VOC) content in percent by weight: 27,5

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation):

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable
not applicableThis mixture contains the following substances of very high concern (SVHC) which are included in the
Candidate List according to Article 59 of REACH: noneThis mixture contains the following substances of very high concern (SVHC) which are subject to authorisation
according to Annex XIV of REACH: none

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile
work protection guideline' (94/33/EC).

Water hazard class (D):

1 - slightly hazardous to water

Additional information

Observe in addition any national regulations!

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

propan-2-ol; isopropyl alcohol; isopropanol

1-methoxy-2-propanol; monopropylene glycol methyl ether

SECTION 16: Other information

Abbreviations and acronyms

2003/15/EG: contains a list of allergenic fragrance substances

648/2004 (EG): Detergents Regulation

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

TLV: Threshold Limiting Value (is a level to which it is believed a worker can be exposed day after day for a
working lifetime without adverse effects)

ATEmix: Acute Toxicity Estimates of a mixture

CAS: Chemical Abstracts Service (subdivision of the American Chemical Society)

CAS no: a unique numerical identifier assigned by Chemical Abstracts Service to every chemical substance
(rarely a group of substances), described in the open scientific literature

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CLP, 1272/2008 (EC): Regulation of the European Parliament on Classification, Labelling and Packaging of Substances and Mixtures
 COD: chemical oxygen demand
 DNEL: Derived No Effect Level
 EC50: half maximal effective concentration (toxicity value), effect on 50% of the test population
 EC: European Community
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 EN: European Standards
 ErC50: median inhibitory concentration of growth rate (algal inhibition test), effect on 50% of the test population
 EUH-phrase (-Code): precautionary statement (EC-specified, not derived from GHS)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals (of the United Nations)
 hPa: Hectopascal (1000 hPa= 1bar)
 H-phrase (-Code): hazardous statement
 IATA: International Air Transport Association
 IBC-Code: The IBC Code provides an international standard for the safe carriage in bulk by sea of dangerous chemicals
 ICAO: International Civil Aviation Organization
 IMDG: International Maritime Code for Dangerous Goods
 ISO: International Organization for Standardization
 IUCLID: International Uniform Chemical Information Database
 LC50: median lethal (killing) concentration (toxicity value), effect on 50% of the test population
 LD50: median lethal (killing) dose, effect on 50% of the test population
 log Kow: partition-coefficient between octanol and water (measures how hydrophilic or hydrophobic a chemical substance is)
 MARPOL: Maritime Pollution Convention
 OECD: Organisation for Economic Co-operation and Development
 OECD 301 (A-F: methods for determination of biodegradability)
 PBT: persistent, bioaccumulative and toxic (substances that have high resistance to degradation from abiotic and biotic factors, high mobility in the environment and high toxicity)
 PNEC: Predicted No Effect Concentration
 ppm: parts per million, 10000ppm=1%
 P-phrase (-Code): precautionary statement
 REACH, 1907/2006 (EC): Registration, Evaluation, Authorisation and Restriction of Chemicals
 RID: Regulation concerning the Carriage of Dangerous Goods by Rail (
 STOT RE: Specific Target Organ Toxicity (repeated exposure)
 STOT SE: Specific Target Organ Toxicity (single exposure)
 UN: United Nations
 VOC: Volatile Organic Compounds
 vPvB: very persistent and very bioaccumulative (s.PBT)

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.



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Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)