

SAFETY DATA SHEET



GLASS CLEANER



Issued on 28.01.2021

Code: GC

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According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product code: Glass cleaner marine

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

Use: To clean glass on vessels

Uses advised against: Do not use for purposes other than those listed.

1.3. Details of the supplier of the safety data sheet

Bainbridge International Limited, Unit 8 Flanders Park, Southampton, Hampshire SO30 2FZ England

1.4. Emergency telephone number

0044 1795 599880

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Flam .Liq 2 H225

Eye irrit 2 H319

STOT SE 3 H336

Full text of H-phrases: see section 16

Environmental hazards: Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11

Xi; R36

R67

Full text of R-phrases: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Pictogram, Signal Word Code(s): **Danger**

Hazardous Ingredients: propan-2-ol, isopropyl alcohol,
isopropanol



Hazardous statements [CLP]

H225 - Highly flammable liquid and vapour

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

Precautionary statements:

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

P261 - Avoid breathing vapours

P271 - Use only outdoors or in a well ventilated area

P280 - wear eye protection

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P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P405 - Store locked up.
P501 Dispose of contents/container in accordance with national regulations

Contains: Isopropyl Alcohol

Supplementary precautionary statements:

P240 - Ground/bond container and receiving equipment
P241 - Use explosion - proof electrical equipment
P242 - Use only non sparking tools
P243 Take precautionary measures against static discharge
P264 - Wash hands thoroughly after handling
P312 - Call a POISON CENTRE/doctor/...if you feel unwell
P337+P313 - if eye irritation persists: Get medical advice/attention
P370+P378 - in case of fire: Use carbon dioxide (CO₂), dry extinguishing powder, dry sand, alcohol resistant foam to extinguish
P403+P233 - store in a well ventilated place. Keep container tightly closed
P403+P235 - store in a well ventilated place - keep cool

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
No information on other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures.

Substance	Conc. %	Classification	Classification	Identification Number		REACH
		Dir 67/548	Reg 1272/08			
Isopropyl alcohol	30-60%	F;R11 Xi;R36 R67	Flam.Liq 2, H225	CAS	67-63-0	
			Eye irrit 2, H319			
			STOT SE 3, H336	EINECS	200-661-7	
			STOT SE 3 – H336			

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and supply fresh air. Call a poison centre/doctor if you feel unwell

Direct contact with skin (of the pure product):

Take contaminated clothing Immediately off.

Wash skin immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes

Wash immediately and thoroughly with running water, keeping eyelids open for at least 15 minutes and removing any contact lenses. Get medical attention.

Ingestion:

Absolutely do not induce vomiting. Get medical attention immediately.

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

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According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Inhalation:

Difficulty in breathing. Headache. Coughing, chest tightness, feeling of chest pressure. Nausea, vomiting.

Ingestions:

May cause stomach pain or vomiting. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

Skin contact:

Prolonged contact may cause redness, irritation and dry skin.

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

No specific recommendations. If in doubt, get medical attention promptly

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Advised extinguishing agents:

Alcohol resistant foam. Dry powder or Carbon Dioxide. Water Spray.

Unsuitable extinguishing media: water with full jet.

5.2. Special hazards arising from the substance or mixture

Fire creates: Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting

Control run-off water by containing and keeping it out of sewers and watercourses. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters

Wear self contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition. Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2. Environmental precautions

Avoid the spillage or runoff entering drains, sewers or watercourses. If substance has entered a water course or sewer or contaminated soil or vegetation, advise the appropriate authorities.

6.3. Methods and material for containment and cleaning up

Methods for clearing up:

Absorb spillage with non combustible, absorbent material. Do not use sawdust or other combustible material. For waste disposal, see Section 13.

6.4. Reference to other sections

Refer to section 7 for information on safe handling.

Refer to section 8 for information on personal protection equipment

Refer to section 13 for disposal information

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions: Container must be kept tightly closed when not in use. Ensure adequate ventilation of the working area.

Keep ignition sources away – Do not smoke.

Protect against electrostatic charges

Protect from heat

7.2. Conditions for safe storage, including any incompatibilities

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According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

Storage precautions: Avoid contact with oxidising agents. Avoid acids. Keep container tightly closed. Avoid direct sunlight. Do not store near heat sources or expose to high temperatures.

Storage class: Flammable liquid storage

7.3. Specific end use(s)

The identified uses for this product are detailed in section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

Isopropyl alcohol

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

WEL: Workplace Exposure Limit

8.2. Exposure controls

Protective Equipment



Eye/face protection

Wear tightly sealed goggles

Hand protection

Impermeable material. 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. It is recommended that gloves are made of the following material: Nitrile rubber.

Hygiene measures

Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each company conducting their own Risk/COSHH Assessments, but is provided as a general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking or using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation. In confined or poorly ventilated areas suitable respiratory protection should be used if exposed to high levels of spray or mist

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	Green Liquid
Odour	Solvent
Flash point	<21°C

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Evaporation rate	No data available
Relative density	~0.9
Water solubility	Soluble in water

9.2. Other information

No relevant information available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No specific data available

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended

10.3. Possibility of hazardous reactions

May react with strong oxidising agents and strong acids

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition

10.5. Incompatible materials

Material to avoid: Alkalies and Peroxides Strong acids

10.6. Hazardous decomposition products

Carbon Monoxide (CO) Carbon Dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Route of entry

Inhalation Ingestion. Skin and/or eye contact Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

Target organs

Respiratory system, lungs

Medical symptoms

Irritation of eyes and mucous membranes. Skin irritation

Medical considerations

Skin disorders and allergies

Toxicological information on ingredients

Isopropyl Alcohol

Toxicological effects

Acute toxicity:

Oral LD50 5840 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

Inhalative LC50 (6u) >10000 ppm (rabbit)

Inhalative LC50/4 h >20mg/l (rat)

Skin contact

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No irritant effect

Eye contact

Irritating effect

Route of entry

Inhalation Ingestion. Skin and/or eye contact

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Isopropyl alcohol
EC50 (48u) >100mg/l (daphnia magna)
EC50 (72u) >100mg/l (Scenedesmus subspicatus)
EC50 (96u) >1000mg/l (Scenedesmus subspicatus) (OECD 201)
LC50 (48u) >100mg/l (Leuciscus idus)
LC50 (96u) >9640mg/l (Pimephales promelas) (OECD 203)

12.2. Persistence and degradability

Isopropyl alcohol
No further relevant information available

12.3. Bioaccumulative potential

Isopropyl alcohol
Not worth mentioning accumulating in organisms BCF >70% (/)

12.4. Mobility in soil

Isopropyl alcohol
No further relevant information available

12.5. Results of PBT and vPvB assessment

Isopropyl alcohol
Not applicable

12.6. Ecological information on Ingredients

Isopropyl alcohol
Water hazard class 1 (German regulation) (Assessment by list): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The packaging must be empty (drop free when inverted)
Dispose in a safe manner in accordance with local/national regulations.
Packaging: Recover and reclaim or recycle. If practical

14. TRANSPORT INFORMATION

14.1 UN number

UN No. (ADR/RID)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993
UN No. (ADN)	1993

14.2 UN proper shipping name ADR/RID IMDG ICAO ADN

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FLAMMABLE LIQUID N.O.S. CONTAINS ISOPROPYL ALCOHOL

14.3 Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

14.4 Packing group

ADR/RID PG II
ADR/RID PG II
IMDG PG II
ICAO PG II
ADN PG II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No

14.6. Special precautions for user

Emergency Action Code: -3YE
Haz iden no: 33 (ADR/RID)
EmS F-E, S-E
Adr transport category 2
Tunnel restriction code (D/E)

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

Not applicable

15. REGULATORY INFORMATION

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

National regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU legislation

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

Water hazard classification

WGK 1

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

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16.1. Other information

General information

PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.

Risk phrases in full

R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.