SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: All Clear Glass Cleaner
- Chemical Name: Contains propan-2-ol

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

- Use of the substance/mixture: Automotive care, Cleaning agent
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: ADVANCED CLEANING VEHICLE SUPPLIES LTD
- Address of Supplier: Unit 2
  Albion Trading Estate
  Salamons Way
  Ferry Lane South
  Rainham
  Essex
  RM13 9UL
- Telephone: +44 (0)1708 553385
- Email: Info@avcsl.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0)1708 553385 (office hours only)

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336
- Classification (67/548/EEC, 1999/45/EC) [CHIP]: F; R11, Xi; R36, R67

2.2 Label elements


GHS02


GHS07

- Signal Word: Danger
- Symbols: GHS02, GHS07
- Contains propan-2-ol
- Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): Less than 5% anionic surfactants
- Hazard phrases
  Highly flammable liquid and vapour.
  Causes serious eye irritation.
  May cause drowsiness or dizziness.
- Precautionary Phrases
  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
  No smoking.
  Wear protective gloves/protective clothing/eye protection/face protection.

SECTION 2 Hazards identification (....)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
Dispose of contents/container to an authorised waste collection point

2.3 Other hazards

- No information available

SECTION 3 Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- propan-2-ol; isopropyl alcohol; isopropanol
  Concentration: 20-30%
  CAS Number: 67-63-0
  EC Number: 200-661-7
  Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3
  R/H Phrases: H225,H319,H336, R11,R36,R67
  Symbols: GHS02,GHS07, F, Xi
  Substance with a Community workplace exposure limit, see Section 8
- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve
  Concentration: 1-5%
  CAS Number: 111-76-2
  EC Number: 203-905-0
  Categories: Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2
  R/H Phrases: H332,H312,H302,H319,H315, R20/21/22,R36/38
  Symbols: GHS07, Xn
  REACH Registration Number: 01-2119475108-36-XXXX
  Substance with a Community workplace exposure limit, see Section 8

SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with eyes
  If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
  Irrigate eyes thoroughly whilst lifting eyelids
  Remove contact lenses, if present and easy to do. Continue rinsing.
  Seek immediate medical attention
- Contact with skin
  Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
  If skin irritation or rash occurs: Get medical advice/attention.
- Ingestion
  Rinse mouth.
  Give 200-300mls (half pint) water to drink
  Do NOT induce vomiting.

SECTION 4 First aid measures (....)

Get medical advice/attention if you feel unwell.

- Inhalation
  Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  Keep warm and at rest
  Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Causes serious eye irritation.
- Causes dizziness, confusion, headache or stupor
- In cases of severe exposure, narcosis may develop

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use foam, carbon dioxide or dry agent for extinction
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Vapours may ignite
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides

5.3 Advice for firefighters

- In case of fire: Stop leak if safe to do so.
- Keep container(s) exposed to fire cool, by spraying with water
- Prevent run off water from entering drains if possible
- Special protective equipment: Wear self-contained breating apparatus (SCBA). Wear full protective clothing including chemical protection suit.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Keep away from heat and sources of ignition
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Ensure adequate ventilation
- Wash thoroughly after dealing with spillage
- Avoid contact with skin and eyes.

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- Do not allow to penetrate the ground/soil.
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Contain the spillage using bunding
- Absorb spillage in inert material and shovel up
- Place in appropriate container
- Seal containers and label them

SECTION 6 Accidental release measures (....)

- Remove contaminated material to safe location for subsequent disposal
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- Wear protective clothing as per section 8

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Keep container tightly closed.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Avoid breathing vapours, mist or gas
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Use only outdoors or in a well-ventilated area.
- Do not get in eyes, on skin, or on clothing.
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse
- Do not eat, drink or smoke when using this product.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Keep in an area equipped with impermeable flooring.
- Store in a dry place. Store in a closed container.
- Keep only in original container.
- Store at below 30 °C
- Take precautionary measures against static discharge.
- May form explosive vapour/air mixtures
- Keep cool. Protect from sunlight.
- Keep away from heat
- Keep out of reach of children
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Automotive care
- Cleaning agent

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- propan-2-ol; isopropyl alcohol; isopropanol
  WEL (long term) 400 mg/m3 (UK EH40)
  WEL (long term) 999 ppm (UK EH40)
  WEL (short term) 500 mg/m3 (UK EH40)
  WEL (short term) 1250 ppm (UK EH40)

- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve
  WEL (long term) 25 ppm (UK EH40) (sk)
  WEL (long term) 123 mg/m3 (UK EH40) (sk)
  WEL (short term) 50 ppm (UK EH40) (sk)
  WEL (short term) 246 mg/m3 (UK EH40) (sk)
  BMGV (Biological Monitoring Guidance Value) (UK) 240 mmol butoxyacetic acid/mol creatinine in urine Sampling Time: Post Shift
  (EC) OELV (long term TWA) 20 ppm 98 mg/m3
  (EC) OELV (short term limit value) 50 ppm 246 mg/m3

SECTION 8 Exposure controls/personal protection (....)

DNEL (dermal) 89 mg/kg (bw/day) Industry, Short Term, Systemic Effects
DNEL (inhalational) 652 mg/m3 Industry, Short Term, Systemic Effects
DNEL (dermal) 75 mg/kg (bw/day) Industry, Long Term, Systemic Effects
DNEL (inhalational) 98 mg/m3 Industry, Long Term, Systemic Effects
DNEL (dermal) 44.5 mg/kg (bw/day) Consumer, Short Term, Systemic Effects
DNEL (inhalational) 426 mg/m3 Consumer, Short Term, Systemic Effects
DNEL (0ral) 13.4 mg/kg (bw/day) Consumer, Short Term, Systemic Effects
DNEL (dermal) 38 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (0ral) 3.2 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
PNEC (fresh water) 8.8 mg/l
PNEC (marine water) 0.88 mg/l
PNEC (sediment, fresh water) 34.6 mg/kg
PNEC (sediment, marine water) 3.46 mg/kg
PNEC (soil) 2.8 mg/kg
PNEC (STP) 463 mg/l

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of inadequate ventilation wear respiratory protection.
- Wear suitable filtering half mask respirator approved to standard EN 149
- Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended)
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear safety glasses approved to standard EN 166.
- Eyewash bottles should be available
- Do not eat, drink or smoke when using this product.
- Wash thoroughly after handling.


Gloves


Goggles


Suit


Respirator


No Flames


No Smoking

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: No information available
- Appearance: Green, Liquid
- pH: 6.3
- Boiling Point/Range: Not determined for mixture. Boiling point of propan-2-ol is 82°C
- Vapour Density: No information available
- Vapour Pressure: No information available
- Melting point/Range: No information available
- Freezing point/Range: No information available
- Viscosity: No information available
- Solubility in water: Partially soluble in water
- Solubility in Fat: Fat solubility - not known

SECTION 9 Physical and chemical properties (....)

- Specific Gravity: 0.985
- Flashpoint: Not determined for mixture. Flashpoint of propan-2-ol is 12°C c.c.
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature of propan-2-ol: 399°C
- Evaporation Rate: No information available
- Explosive Properties: May form explosive mixtures with air
- Oxidising Properties: No information available

9.2 Other information

- No information available

SECTION 10 Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No information available

10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Keep away from static electricity

10.5 Incompatible materials

- Incompatible with strong oxidizing substances
- Incompatible with strong acids

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides
- Decomposition products may include hydrocarbons
- Decomposition products may include toxic fumes
- May form explosive mixtures with air

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

- No experimental test data available for the mixture
- LD50 (oral) : (mouse) (isopropanol) 3600 mg/kg
- LD50 (oral) : (rabbit) (isopropanol) 6410 mg/kg
- LD50 (oral,rat) (2-butoxyethanol) 1300 mg/kg
- LD50 (dermal) : (guinea pig) (2-butoxyethanol) > 2000 mg/kg
- LC50 (inhalation,rat) (2-butoxyethanol) 2.21 - 2.39 mg/l/4h

Skin corrosion/irritation

- No experimental test data available for the mixture
- Irritation (dermal, rabbit) 0.5ml/4h test score (isopropanol) - irritant

Serious eye damage/irritation

- No experimental test data available for the mixture
- Causes serious eye irritation.
- Classification based on calculation and concentration thresholds

Respiratory or skin sensitisation

- No information available

Germ cell mutagenicity

SECTION 11 Toxicological information (....)

- No information available

Carcinogenicity
- No information available

Reproductive toxicity
- No information available

Specific target organ toxicity (STOT) - single exposure
- May cause drowsiness or dizziness.

Specific target organ toxicity (STOT) - repeated exposure
- No information available

Aspiration hazard
- No information available

Contact with eyes
- Causes redness and irritation

Contact with skin
- May cause irritation

Ingestion
- May cause nausea/vomiting
- May cause gastro-intestinal disturbances

Inhalation
- In cases of severe exposure, coughing may develop
- May cause dry throat
- May cause dizziness, confusion, headache or stupor
- May cause drowsiness

SECTION 12 Ecological information

12.1 Toxicity

- No experimental test data available for the mixture

- propan-2-ol; isopropyl alcohol; isopropanol
  LC50 (fish) >1000 mg/l (96 hr)

- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve
  - LC50 (Oncorhynchus mykiss) (2-butoxyethanol) 1473 mg/l (96 hr)
  - EC50 (Daphnia magna) (2-butoxyethanol) 1550 mg/l (48 hr)
  - EC50 (aquatic plants) (2-butoxyethanol) 1840 mg/l (72 hr)
  - NOEC (Daphnia magna) (2-butoxyethanol) 100 mg/l/21 days

12.2 Persistence and degradability

- Biodegredation test, water, other 90.4% 28 day(s) (2-butoxyethanol)
- The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulation Potential

- Log Kow - not available for the mixture

BCF (2-butoxyethanol) < 100 (-)

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

SECTION 12 Ecological information (....)

12.6 Other Adverse Effects

- To the best of our knowledge, the properties of this material have not been fully evaluated

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- This material and its container must be disposed of as hazardous waste
- Do not pierce or burn container, even after use
- Empty containers may contain flammable vapours
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

13.2 Classification

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

SECTION 14 Transport information

Flammable Liquid

14.1 UN Number

- UN No.: 1993

14.2 Proper Shipping Name

- Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (isopropanol)

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

14.8 Road/Rail (ADR/RID)

- ADR UN No.: 1993
- Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (isopropanol)
- ADR Hazard Class: 3
- ADR Packing Group: II
- Tunnel Code: (D/E)

14.9 Sea (IMDG)

SECTION 14 Transport information (....)

- IMDG UN No.: 1993
- Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (isopropanol)
- IMDG Hazard Class: 3
- IMDG Pack Group.: II

14.10 Air (ICAO/IATA)

- ICAO UN No.: 1993
- Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (isopropanol)
- ICAO Hazard Class: 3
- ICAO Packing Group: II

SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): Less than 5% anionic surfactants

15.2 Chemical Safety Assessment

- A REACH chemical safety assessment has not been carried out

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- 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. R11: Highly Flammable. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R36: Irritating to eyes. R36/38: Irritating to eyes and skin. R67: Vapours may cause drowsiness and dizziness.

INFORMATION ON INGREDIENTS AS REQUIRED BY THE DETERGENTS REGULATION (EC) NO. 648/2004

ALL CLEAR GLASS CLEANER

CONC. OF INGREDIENT	CHEMICAL NAME	INCI NAME	PH.EUR. NAME	CAS NO.
10 % or more	Propan-2-ol	Isopropyl alcohol	-	67-63-0
1% or over, but less than 10%	2-Butoxyethanol	Butoxyethanol	-	111-76-2
0.1% or over, but less than 1%	Colorant	-	-	-

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.