



SAFETY DATA SHEET

Andarta Glass, Mirror and VDU Cleaner

Compiled in Accordance with EU and GB REACH and CLP Regulations.

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

1.1. Product identifier

| | |
|----------------|---------------------------------------|
| Product name | Andarta Glass, Mirror and VDU Cleaner |
| Product number | 33-110, 33-179 |
| Container size | 5 litres, 750 ml |

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

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|----------------------|---|
| Identified uses | Detergent. Window glass cleaner. |
| Uses advised against | Not for Oral Consumption. Use only for intended applications. |

1.3. Details of the supplier of the safety data sheet

| | |
|----------------|--|
| Supplier | Arrow County Supplies Arrow House, Longden Road, Shrewsbury, Shropshire SY3 9AE Tel: 01743 283600 Email: sales@arrowcounty.com |
| Contact person | For content of safety data sheet:, sales@arrowcounty.com |

1.4. Emergency telephone number

| | |
|---------------------|------------------------------------|
| Emergency telephone | +44 (0) 1743 283600 (office hours) |
|---------------------|------------------------------------|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

| | |
|-----------------------|----------------|
| Physical hazards | Not Classified |
| Health hazards | Not Classified |
| Environmental hazards | Not Classified |

2.2. Label elements

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|--------------------------|--|
| Hazard statements | NC Not Classified |
| Precautionary statements | P102 Keep out of reach of children. P262 Do not get in eyes, on skin, or on clothing. P264 Wash contaminated skin thoroughly after handling. 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. P501 Dispose of contents/ container in accordance with local regulations. |
| Detergent labelling | < 5% non-ionic surfactants, < 5% perfumes |

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments None of the ingredients are required to be listed.

SECTION 4: First aid measures

4.1. Description of first aid measures

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| Inhalation | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| Ingestion | Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. |
| Skin contact | Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing. |
| Eye contact | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel. |

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

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|----------------------------|---|
| General information | The product is considered to be a low hazard under normal conditions of use. |
| Inhalation | Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature. |
| Ingestion | Unlikely exposure route without abuse. Symptoms will include, Sickness, possible Irritation of GI Tract. A soapy taste may be reported. |
| Skin contact | Prolonged contact may cause redness, irritation and dry skin. |
| Eye contact | May cause temporary eye irritation. |

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

Notes for the doctor Ensure skin and eyes are well rinsed to neutral pH. Check Mouth for evidence of irritation.

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. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

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

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Personal precautions For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation.

Advice on general occupational hygiene No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash at the end of each work shift and before eating, smoking and using the toilet.

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.

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

ACETIC ACID

Short-term exposure limit (15-minute): WEL 20 ppm 50 mg/m³

Long-term exposure limit (8-hour TWA): WEL 10 ppm 25 mg/m³

WEL = Workplace Exposure Limit.

ACETIC ACID (CAS: 64-19-7)

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|-------------|--|
| DNEL | Workers - Inhalation; Long term local effects: 25 mg/m ³ Workers - Inhalation; Short term local effects: 25 mg/m ³ General population - Inhalation; Long term local effects: 25 mg/m ³ General population - Inhalation; Short term local effects: 25 mg/m ³ |
| PNEC | - Fresh water; 3.058 mg/l - marine water; 0.306 mg/l - Intermittent release; 30.58 mg/l - STP; 85 mg/l - Sediment (Freshwater); 11.36 mg/kg - Sediment (Marinewater); 1.136 mg/kg - Soil; 0.47 mg/kg |

C12-14-ALKYL ETHER SULFATES (CAS: 68891-38-3)

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| | |
|-------------|---|
| DNEL | <p>Workers - Inhalation; Long term systemic effects: 175 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 2750 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 52 mg/m³</p> <p>Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day</p> <p>Consumer - Oral; Long term systemic effects: 15 mg/kg/day</p> |
| PNEC | <ul style="list-style-type: none"> - Fresh water; 0.24 mg/l - marine water; 0.024 mg/l - Intermittent release; 0.071 mg/l - Sediment, Fresh water; 0.917 mg/kg - Sediment, marine water; 0.092 mg/kg - Soil; 7.5 mg/kg - STP; 10,000 mg/l |

8.2. Exposure controls

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| Appropriate engineering controls | Provide adequate ventilation. |
| Personal protection | This is not a COSHH/risk assessment, but should be used to assist in the development of a COSHH/risk assessment. Although unclassified, the use of gloves and eye protection should be considered when mitigating risks. |
| Eye/face protection | No specific eye protection required during normal use. During the manufacture and filling of this product eye protection is recommended refer to EN166. |
| Hand protection | For users with sensitive skin, it is recommended that suitable protective gloves are worn. During Manufacture and Filling operations use of hand protection is recommended. Gloves with a breakthrough time of >60 minutes are recommended. Refer to standard EN374 for compatible materials. |
| Other skin and body protection | Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate skin cream to prevent drying of skin. |
| Hygiene measures | Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin. |
| Respiratory protection | Respiratory protection not required. |
| Environmental exposure controls | Avoid releasing into the environment. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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|--|---------------------------------------|
| Appearance | Liquid. |
| Colour | Blue. |
| Odour | Perfumed. |
| Odour threshold | No information available. |
| pH | pH (concentrated solution): 2.0 - 4.5 |
| Melting point | Not determined. |
| Initial boiling point and range | Not applicable. |
| Flash point | Not determined. |
| Evaporation rate | Not determined. |

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|---|---|
| Evaporation factor | No information available. |
| Flammability (solid, gas) | Not flammable |
| Upper/lower flammability or explosive limits | Not applicable. |
| Other flammability | Not applicable. |
| Vapour pressure | Not determined. |
| Vapour density | Not determined. |
| Relative density | Approx 0.998 |
| Bulk density | Not applicable. |
| Solubility(ies) | Soluble in water. |
| Partition coefficient | No information available. |
| Auto-ignition temperature | Not determined. |
| Decomposition Temperature | Not determined. |
| Viscosity | Water thin. |
| Explosive properties | There are no chemical groups present in the product that are associated with explosive properties. |
| Explosive under the influence of a flame | Not considered to be explosive. |
| Oxidising properties | The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising. |
| Comments | Information given is applicable to the product as supplied. |

9.2. Other information

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|--------------------------|---------------|
| Other information | Not relevant. |
| Refractive index | 1.0 - 2.0 |

SECTION 10: Stability and reactivity

10.1. Reactivity

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| Reactivity | There are no known reactivity hazards associated with this product. Mixing with Bleach will produce Toxic Chlorine gas. |
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10.2. Chemical stability

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| Stability | Stable at normal ambient temperatures. |
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10.3. Possibility of hazardous reactions

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| Possibility of hazardous reactions | Not applicable. |
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10.4. Conditions to avoid

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| Conditions to avoid | Avoid contact with Bleach and Alkaline materials. |
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10.5. Incompatible materials

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| Materials to avoid | see 10.4 |
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10.6. Hazardous decomposition products

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Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

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

Acute toxicity - dermal

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

Skin corrosion/irritation Not classified. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Genotoxicity - in vivo Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

General information

This product has low toxicity.

Inhalation

No specific health hazards known.

Ingestion

May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.

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Skin contact Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

Eye contact May cause temporary eye irritation.

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

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).

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods The packaging must be empty (drop-free when inverted). Wash with plenty of water. Waste packaging should be collected for reuse or recycling. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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)

No transport warning sign required.

14.4. Packing group

Not applicable.

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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

National regulations

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
EH40/2005 Workplace exposure limits.
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).
The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).
The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EU legislation

European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended)
European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended)
European Regulation (EC) No 648/2004 on detergents (as amended)

Guidance

Workplace Exposure Limits EH40.
COSHH Essentials.
ECHA Guidance on the Application of the CLP Criteria.
ECHA Guidance on the compilation of safety data sheets.

Explosive Precursors

This product is not controlled under the Seveso Directive.

15.2. Chemical safety assessment

Currently we do not have information from our suppliers about this.

SECTION 16: Other information

Andarta Glass, Mirror and VDU Cleaner

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| Abbreviations and acronyms used in the safety data sheet | PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. |
| Revision comments | NOTE: Lines within the margin indicate significant changes from the previous revision. Note: Finished product SDS take their revision history from the parent bulk liquid SDS. The revision data will show that of the parent liquid. This is the first issue. |
| Revision date | 21/11/2022 |
| Revision | 1 |
| SDS number | 23192 |

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