SAFETY DATA SHEET

Advantage **UNICARE (CHEMICALS) LTD**

1 Identification

Product Identifier:
Advantage

Other means of identification:
Not applicable.

Recommended use of the chemical and restriction on use:
Laundry liquid for professional use

Supplier's details:
Unicare (Chemicals) Ltd,
Aradhippou Industrial Area 7101, Larnaca, Cyprus
P.O Box 54088
Tel.: +357 24531766, +357 24533765
Fax: +357 24532111
Email: team@unicaregroup.com

Emergency phone number
1401

2 Hazard(s) identification

Classification of the substance or mixture
According to regulation (EC) No 1272/2008 [CLP]

Acute Toxicity: Hazard Category 4
Serious Eye Damage / Irritation: Hazard Category 1
Skin corrosion / Irritation: Hazard Category 2
Reproductive Toxicity: Hazard Category 1A

GHS Label Element

Signal Word:
Danger

Hazard Statements:
Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
May damage the unborn child.

Precautionary Statement
Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.
Do not eat, drink or smoke when using this product.
Wash your hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN (or hair): Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Immediately call a POISON CENTER or doctor/physician.
Rinse mouth.
If skin irritation occurs: Get medical advice/attention.

Store locked up.
Dispose of contents/container to waste according to local / European regulations.

Other hazards which do not result in classification

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

Mixture

Description	- CAS Number - EINECS Number - Reach registration number	Concentration (% w/w)	Note / Classification
Alcohols, C11-13-branched, ethoxylated (>2.5 moles EO)	- 68439-54-3 - 931-985-3 - N/A	59 – 62	Acute Tox. 4, H302; Eye Dam. 1, H318
Alcohols, C12-13- branched and linear, ethoxylated (>=2.5 EO)	- 160901-19-9 - 931-954-4 - N/A	13 – 16	Eye Irrit. 2, H319; Aquatic acute 1; H400; Aquatic Chronic 3, H412
1-methyl-2-pyrrolidone	- 872-50-4 - 212-828-1 - N/A	10 – 12	Repr. IA, H360D; Eye irrit. 2; H319; Skin Irrit. 2, H315; STOT-SE 3, H335

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

4 First-aid measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:
Immediately wash thoroughly with plenty of water, apply sterile dressings, and consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms/effects, acute and delayed
Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5 Fire-fighting measures

Extinguishing media

Flash Point & Method
None
Suitable Extinguishing Media
Pulverized water, foam, dry chemical & carbon dioxide

Specific hazards arising from the chemical
Carbon monoxide, carbon dioxide, phosphorus oxides, hydrogen fluoride, formaldehyde, as well as other toxic vapours and gases which are common to thermal degradation (in case of fire) of organic compounds.

Special protective actions for fire-fighters
Wear self-contained breathing apparatus and full protective gear.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Use personal protective clothing. Information regarding personal protective measures see, Section 8.

Environmental precautions
Do not allow to enter sewers/surface or ground water.

Methods and materials for containment and cleaning up
For residues: Pick up with suitable absorbent material.
Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. 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. Avoid the spillage or runoff entering drains, sewers or watercourses. Flush away spillage with plenty of water.
Dispose of absorbed material in accordance with regulations.
For large amounts: Dike spillage. Pump off product.

7 Handling and storage

Precautions for safe handling
Wear protective gloves/protective clothing/eye protection/face protection.
Take off contaminated clothing and wash before reuse.

Protection against fire and explosion
No special precautions necessary.

Conditions for safe storage, including any incompatibilities
Further information on storage conditions: Keep container tightly closed and in a cool place.

Storage stability:
Storage temperature: 10 - 40 °C
The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.
Protect from temperatures above: 70 °C

Specific end use(s)
For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8 Exposure controls/personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace: None

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protective equipment
Respiratory protection:
Respiratory protection in case of vapour/aerosol release. (Particle filter EN 143 P2 or FFP2)

Hand protection:
Chemical resistant protective gloves. (EN 374)
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):
e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).
General safety and hygiene measures
Wearing of closed work clothing is required additionally to the stated personal protection equipment. No eating, drinking, smoking or tobacco use at the place of work.
Handle in accordance with good industrial hygiene and safety practice.

9 Physical and chemical properties

Physical and chemical properties

General Information
- **Appearance:**
  Form: viscous liquid

Colour: clear

- **Odour:** Not characteristic
- **Odour threshold:** Not determined
- **pH-value:** 7.5 – 9.0
- **Specific gravity:** 0.98 – 1.02
- **Change in condition**
  Melting point/Melting range: Not determined
  Boiling point/Boiling range: Not determined
- **Flash point:** Not determined
- **Flammability (solid, gaseous):** Not applicable
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined
- **Self-igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  Lower: Not determined.
  Upper: Not determined.
- **Vapour pressure at 20 °C:** Not determined
- **Density at 20 °C:** Not determined
- **Relative density:** Not determined
- **Relative density:** Not determined
- **Vapour density:** Not determined
- **Solubility in / Miscibility with water:** Miscible
- **Partition coefficient (n-octanol/water):** Not determined
- **Viscosity:**
  Dynamic: Not determined
  Kinematic: Not determined

10 Stability and reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability
No specific test data related to reactivity available for this product or its ingredients.
The product does not contain peroxides (or any other explosive chemicals).

Possibility of hazardous reactions
No hazardous reactions when stored and handled according to instructions.

Conditions to avoid
See SDS Section 7 - Handling and storage.

Incompatible materials
Substances to avoid:
Acids, Alkalines, caustics, halogens (fluorine), reactive chemicals, magnesium, aluminium

Hazardous decomposition products
No hazardous decomposition products if stored and handled as prescribed/indicated.

11 Toxicological information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Toxicological (health) effects

Acute toxicity: Assessment: Acute toxicity; Hazard Category 4; Harmful if swallowed.

Skin corrosion/irritation: Assessment: Irritant to skin.
Serious eye damage/irritation: Assessment: Cause serious eye damage and serious eye irritation.
Respiratory or skin sensitisation: Assessment: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Assessment: Based on available data, the classification criteria are not met.
Carcinogenicity: Assessment: Based on available data, the classification criteria are not met.
Reproductive toxicity: Assessment: Hazard Category 1A; May damage the unborn child.

STOT-single exposure: Assessment: May cause respiratory irritation.

STOT-repeated exposure: Assessment: Based on available data, the classification criteria are not met.

Aspiration hazard: Assessment: No aspiration hazard expected.

Symptoms related to the physical, chemical and toxicological characteristics:
Not available data.

Numerical measures of toxicity (such as acute toxicity estimates): Not available data.

12 Ecological information

Toxicity:

Eco toxicity
No relevant information available.

Persistence and Degradability
No relevant information available.

Bioaccumulation
No relevant information available.

Mobility in soil
No relevant information available.

Other Adverse Effects
The product may be harmful for the environment with long lasting effects since its component: Alcohols, C11-13-branched, ethoxylated (>2.5 moles EO) is very toxic to aquatic life and harmful to aquatic life with long lasting effects. The classification was impossible due the lack of the *M*-factors.

13 Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

14 Transport information

UN Number: ADR/RID, IMDG, IATA: Not applicable.

UN Proper Shipping Name: ADR/RID, IMDG, IATA: Not applicable.
Transport hazard class(es): No dangerous.
Packing group, if applicable: Not applicable.
Environmental hazards: Not applicable.
Special precaution for user: Not necessary.
Transport in bulk according to Annex II of Marpol 73/78 and the IBCcode: Not applicable.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I:** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International)
Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Classification Abbreviations

H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H360D: May damage the unborn child.
H400: Very toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

Acute Tox. 4: Acute toxicity; Hazard Category 4
Skin Irrit. 2: Skin corrosion / irritation; Hazard Category 2
Eye Irrit. 2: Serious eye damage / eye irritation; Hazard Category 2
Eye Dam. 1: Acute aquatic hazard; Hazard Category 1
STOT SE 3: Specific target organ toxicity – single exposure; Hazard Category 3
Repr. 1A: Reproductive toxicity; Hazard Category 1A
Aquatic Acute 1: Long-term aquatic hazardous; Hazard Category 3
Aquatic Chronic 3: Long-term aquatic hazardous; Hazard Category