

<b>Supplier</b>	<b>UDS PTY LTD</b>
<b>Address</b>	3 SPIRETON PLACE, PENDLE HILL, NSW 2145
<b>Telephone</b>	02 9688 2022
<b>Emergency</b>	NSW Poisons Information Centre 13 11 26
<b>Email</b>	<a href="mailto:consumables@udcs.com.au">consumables@udcs.com.au</a>
<b>Web Site</b>	<a href="http://www.universaldrycleaningsolutions.com.au">www.universaldrycleaningsolutions.com.au</a>

Version number 55

Revision: 24.03.2021

Trade name: Auropur duo

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

- **1.1 Product identifier**
- Trade name: **Auropur duo**
- Article number: 20500640g
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning material/ Detergent

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008



corrosion

Eye Dam. 1 H318 Causes serious eye damage.



Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** GHS05, GHS07
- **Signal word** Danger
- **Hazard statements**  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.
- **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards** Not applicable
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

GB

- **vPvB:** Not applicable.

### SECTION 3: Composition/Information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

alcohols ethoxylated ⚠ Eye Irrit. 2, H319	25-50%
Fatty acid, reaction product with 2,2,2-nitrioltriethanol, quarternized ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	2.5-10%
alkyl sulfonate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%
anionactive surfactant ⚠ Eye Irrit. 2, H319	2.5-10%
terpene hydrocarbons ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≤ 2.5%
alcohol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	≤ 2.5%
didecyltrimethylammonium chloride ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302	≤ 2.5%
dialkylamide ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≤ 2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Rinse mouth with plenty of water, do not induce vomiting, drink water in small portions, consult immediately a doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.

Water

Water haze

(Contd. of page 2)

*Foam*

- *For safety reasons unsuitable extinguishing agents: Water with full jet*
- **5.2 Special hazards arising from the substance or mixture**  
*Formation of toxic gases is possible during heating or in case of fire.  
 In case of fire formation of carbon oxides possible.*
- **5.3 Advice for firefighters**
- **Protective equipment:**  
*Wear self-contained respiratory protective device.  
 Wear fully protective suit.  
 Do not inhale explosion gases or combustion gases.*
- **Additional information** *Cool endangered receptacles with water spray.*

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
*Particular danger of slipping on leaked/spilled product.*
- **6.2 Environmental precautions:**  
*Inform respective authorities in case of seepage into water course or sewage system.  
 Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:**  
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
 Ensure adequate ventilation.*
- **6.4 Reference to other sections**  
*See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.*

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
*Store in cool, dry place in tightly closed receptacles.  
 Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.*
- **Information about fire - and explosion protection: No special measures required.**
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles: No special requirements.**
- **Information about storage in one common storage facility: Store away from foodstuffs.**
- **Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.**
- **7.3 Specific end use(s) No further relevant information available.**

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- **Additional information about design of technical facilities: No further data; see section 7.**

**Ingredients with limit values that require monitoring at the workplace:**

**Dipropylene glycol monomethyl ether**

WEL	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm
Sk	

**alcohol**

WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

(Contd. on page 4)

<b>- DNELs</b>		
<b>Dipropylene glycol monomethyl ether</b>		
Dermal	Long-term - systemic effects, worker	283 mg/kg bw/day (.)
Inhalative	Long-term - systemic effects, worker	308 mg/m <sup>3</sup> (.)
<b>terpene hydrocarbons</b>		
Dermal	Acute - local effects, worker	185.8ug/cm <sup>2</sup> --- (.)
	Long-term - local effects, worker	8.89mg/kg bw/d --- (.)
Inhalative	Long-term - local effects, worker	31.1 mg/m <sup>3</sup> (.)
<b>- DNEL (Derived No Effect Level) for the general population</b>		
<b>Dipropylene glycol monomethyl ether</b>		
Oral	Long-term - systemic effects, general population	36 mg/kg bw/day (.)
Dermal	Long term - systemic effects, general population	121 mg/kg bw/day (.)
Inhalative	Long-term - systemic effects, general population	37.2 mg/m <sup>3</sup> (.)
<b>terpene hydrocarbons</b>		
Oral	Long-term - systemic effects, general population	4.44 mg/kg bw/day (.)
Dermal	Acute - local effects, general population	92.9ug/cm <sup>2</sup> --- (.)
	Long-term - local effects, general population	4.44mg/kg bw/d --- (.)
Inhalative	Long-term - local effects, general population	7.78 mg/m <sup>3</sup> (.)
<b>- PNECs</b>		
<b>Dipropylene glycol monomethyl ether</b>		
Aquatic compartment - freshwater		19 mg/L (.)
Aquatic compartment - marine water		1.9 mg/L (.)
Aquatic compartment - sediment in freshwater		70.2 mg/kg sed dw (.)
Aquatic compartment - water, intermittent releases		190 mg/L (.)
<b>terpene hydrocarbons</b>		
Aquatic compartment - freshwater		5.4 mg/L (.)
Aquatic compartment - marine water		0.54 mg/L (.)
Aquatic compartment - sediment in freshwater		1.3 mg/kg sed dw (.)
Aquatic compartment - sediment in marine water		0.13 mg/kg sed dw (.)
Aquatic compartment - water, intermittent releases		5.77 mg/L (.)
Oral secondary poisoning		13.3 mg/kg food (.)
Sewage treatment plant		2.1 mg/L (.)
Terrestrial compartment - soil		0.261 mg/kg dw (.)

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

- **Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:** Protective gloves

- **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR



PVC gloves

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Tightly sealed goggles
- **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

- <b>Form:</b>	Fluid
- <b>Colour:</b>	Yellow
- <b>Odour:</b>	Characteristic
- <b>Odour threshold:</b>	Not determined.

- **pH-value at 20 °C:** 7.5

#### Change in condition

- <b>Melting point/freezing point:</b>	Undetermined.
- <b>Initial boiling point and boiling range:</b>	> 100 °C

- **Flash point:** 75 °C

- **Flammability (solid, gas):** Not applicable.

- **Auto-ignition temperature:** 150 °C

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Product does not present an explosion hazard.

#### Explosion limits:

- <b>Lower:</b>	Not determined.
- <b>Upper:</b>	Not determined.

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C:** 1 g/cm<sup>3</sup>

- **Relative density:** Not determined.

- **Vapour density:** Not determined.

- **Evaporation rate:** Not determined.

#### Solubility in / Miscibility with water:

Fully miscible.

- **Partition coefficient: n-octanol/water:** Not determined.

#### Viscosity:

- <b>Dynamic:</b>	Not determined.
- <b>Kinematic:</b>	Not determined.

- **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions** No dangerous reactions known.

- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- **Acute toxicity**  
Harmful if swallowed.

#### LD/LC50 values relevant for classification:

##### alcohols ethoxylated

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

Irritation of skin	OECD 404	reizend (rabbit)
--------------------	----------	------------------

##### Fatty acid, reaction product with 2,2,2-nitrioltriethanol, quarternized

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

##### Dipropylene glycol monomethyl ether

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

Dermal	LD50	13000-14000 mg/kg (rat)
--------	------	-------------------------

##### terpene hydrocarbons

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

Dermal	LD50	>5000 mg/kg (rabbit)
--------	------	----------------------

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

##### alcohols ethoxylated

EC 10	>2000 mg/l (activated sludge)
-------	-------------------------------

EC50/48 h	10-100 mg/l (aquatic invertebrates)
-----------	-------------------------------------

EC50/72h	10-100 mg/l (aquatic plants)
----------	------------------------------

LC50/96 h	10-100 mg/l (Onchorrhynchus mykiss)
-----------	-------------------------------------

##### Dipropylene glycol monomethyl ether

EC10/18h	4.168 g/l (pseudomonas putida)
----------	--------------------------------

EC50	500000 mg/l (Terrestrische Pflanzen)
------	--------------------------------------

EC50/96h	>969 mg/l (Pseudokirchneriella subcapitata)
----------	---

LC 50/48h	1919 mg/l (Daphnia magna)
-----------	---------------------------

LC50/96 h	>1000 mg/l ( <i>Poecilia reticulata</i> )
<b>terpene hydrocarbons</b>	
OECD 201	150 mg/l 72h ( <i>Desmodesmus subspicatus</i> )
OECD 202	0.67 mg/l ( <i>Daphnia magna</i> )
OECD 203	0.7ppm 96h ( <i>pimephales promelas</i> )
<b>12.2 Persistence and degradability</b>	
<b>alcohols ethoxylated</b>	
CSB	2300 mg O <sub>2</sub> /g O <sub>2</sub> /g (.)
OECD 301 B	>60 % (28 d)
OECD 301 E	≥90 % (.)
<b>Dipropylene glycol monomethyl ether</b>	
OECD 301 F	96 % (.)
OECD 302 B	94 % (activated sludge) (13d)
<b>terpene hydrocarbons</b>	
BCF	32-156 (.)
OECD 301 B	72-83.4 % (.)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**

- **Remark:** Harmful to fish

**Additional ecological information:**

**General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

**12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations.

**Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

**14.1 UN-Number**

- **ADR, ADN, IMDG, IATA** Void

**14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Void

(Contd. of page 7)

- 14.3 Transport hazard class(es)	
- ADR, ADN, IMDG, IATA	
- Class	Void
- 14.4 Packing group	
- ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	
- 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	Not applicable.
- UN "Model Regulation":	Void

### SECTION 15: Regulatory information

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

- National regulations:

- Technical instructions (air):

Class	Share in %
NK	2,5-10

- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: 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.*

- Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

- Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

(Contd. on page 9)



*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Flam. Liq. 2: Flammable liquids – Category 2*  
*Flam. Liq. 3: Flammable liquids – Category 3*  
*Acute Tox. 4: Acute toxicity – Category 4*  
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*  
*Asp. Tox. 1: Aspiration hazard – Category 1*  
*Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*  
*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*  
*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*  
- \* **Data compared to the previous version altered.**