Supplier	**UDS PTY LTD**
Address	3 SPIRETON PLACE, PENDLE HILL, NSW 2145
Telephone	02 9688 2022
Emergency	NSW Poisons Information Centre 13 11 26
Email	consumables@udcs.com.au
Web Site	**www.universaldrycleaningsolutions.com.au**

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:*** *20500640a*

· ***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.

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· ***2.2 Label elements***

· ***Labelling according to Regulation (EC) No 1272/2008***

The product is classified and labelled according to the CLP regulation.

· ***Hazard pictograms*** *GHS05, GHS07*

· ***Signal word*** *Danger*

· ***Hazard-determining components of labelling:***

alcohols ethoxylated
terpene hydrocarbons
didecyldimethylammonium chloride

· ***Hazard statements***

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.

· ***Precautionary statements***

P261	*Avoid breathing dust/fume/gas/mist/vapours/spray.*
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.*
P321	*Specific treatment (see on this label).*
P362+P364	*Take off contaminated clothing and wash it before reuse.*

(Contd. of page 1)

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.
· **vPvB:** Not applicable.

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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-nitrilotriethanol, quarternized Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
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%
didecyldimethylammonium 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:** Call for a doctor immediately.
· **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:**
CO2, powder or water spray. Fight larger fires with water spray.
Water

(Contd. on page 3)

(Contd. of page 2)

Water haze
Foam
· ***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.

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:*** *None.*
· ***7.3 Specific end use(s)*** *No further relevant information available.*

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SECTION 8: Exposure controls/personal protection

· ***8.1 Control parameters***
· ***Additional information about design of technical facilities:*** *No further data; see item 7.*
· ***Ingredients with limit values that require monitoring at the workplace:***
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· ***DNELs***		
Dipropylene glycol monomethyl ether		
Dermal	*Long-term - systemic effects, worker*	*283 mg/kg bw/day (.)*
Inhalative	*Long-term - systemic effects, worker*	*308 mg/m³ (.)*
terpene hydrocarbons		
Dermal	*Acute - local effects, worker*	*185.8ug/cm2 --- (.)*
	Long-term - local effects, worker	*8.89mg/kg bw/d --- (.)*

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Inhalative	Long-term - local effects, worker	31.1 mg/m³ (.)
· **DNEL (Derived No Effect Level) for the general population**		
Dipropylene glycol monomethyl ether		
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/m³ (.)
terpene hydrocarbons		
Oral	Long-term - systemic effects, general population	4.44 mg/kg bw/day (.)
Dermal	Acute - local effects, general population	92.9ug/cm2 --- (.)
	Long-term - local effects, general population	4.44mg/kg bw/d --- (.)
Inhalative	Long-term - local effects, general population	7.78 mg/m³ (.)

· **PNECs**	
Dipropylene glycol monomethyl ether	
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 (.)
terpene hydrocarbons	
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 skin.
Avoid contact with the eyes and skin.
· **Respiratory protection:** Not required.
· **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Not applicable
· **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **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:**	
Form:	Fluid
Colour:	Yellow
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value at 20 °C:**	7.5
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	> 100 °C
· **Flash point:**	66 °C
· **Flammability (solid, gas):**	Not applicable.
· **Ignition temperature:**	150 °C
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure at 20 °C:**	23 hPa
· **Density at 20 °C:**	1 g/cm³
· **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:**	
Dynamic:	Not determined.
Kinematic:	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.

(Contd. on page 6)

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· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **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-nitrilotriethanol, 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**
May cause an allergic skin reaction.
· **Additional toxicological information:**
· **CMR effects (carcinogenity, 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.

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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 (Poecilia reticulata)

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terpene hydrocarbons	
OECD 201	150 mg/l 72h (Desmodesmus subspicatus)
OECD 202	0.67 mg/l (Daphnia magna)
OECD 203	0.7ppm 96h (pimephales promelas)

· **12.2 Persistence and degradability**

alcohols ethoxylated	
CSB	2300 mg 02g g O2/g (.)
OECD 301 B	>60 % (28 d)
OECD 301 E	≥90 % (.)

Dipropylene glycol monomethyl ether	
OECD 301 F	96 % (.)
OECD 302 B	94 % (activated sludge) (13d)

terpene hydrocarbons	
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.
· **Ecotoxical 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.

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SECTION 14: Transport information

· **14.1 UN-Number**
· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**
· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**
· **Class** Void

(Contd. on page 8)

(Contd. of page 7)

· **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

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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.

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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.

· **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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
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 - oral – 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.**