

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name:	DR 3301 Disinfectant Cleaner
Product code:	W33015

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

Use of substance/mixture:	Disinfectant Cleaner
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1.3. Details of the supplier of the Safety Data Sheet

Company name:	WIPEOUT LTD Unit 45, Cookstown Industry Estate 3 rd Avenue Tallaght Dublin24 Ireland
Tel:	+353 (0)1 451 66 66
Email:	info@wipeout.ie

1.4. Emergency telephone number



Emergency tel:	+353 (0)86 260 39 35 or +353 (0)1 809 2566 or (0)1 837 9964 The National Poisons Information Centre
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Section 2. Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP Regulation No. 1272/2008:	Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Text of hazard statements: see Section 16.
Classification under CLP Directive 67/548/EEC or 199/45/EC:	C, N Corrosive, Dangerous for the environment R 34-50 Text of R-phrases see section 16.

2.2. Label elements

Label elements:	Regulation (EC) no. 1272/2008
Hazard statements:	H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic organisms. H411 Toxic to aquatic life with long lasting effects.
Signal words:	Danger
Hazard pictograms:	GHS05: Corrosive   GHS09: Environmental
Precautionary statements:	P260 Do not breathe vapor / spray. P280 Wear protective gloves / protective clothing / eye protection / face protection. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower. 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 or doctor. Contains: ethanolamine, Didecyldimethylammonium chlorid.

Label elements under CHIP:	67/548 / EEC or 1999/45 / EC	
Hazard symbols:	N - Dangerous for the environment. C - Corrosive	
Risk phrases:	R34: Causes burns. R50: Very toxic to aquatic organisms.	
Safety phrases:	S-phrases: 26-28-36 / 37 / 39-45-60-61 S26 In case of contact with eyes, rinse immediately with water and seek medical advice. S28: In contact with skin, wash immediately with plenty of water. S36/37/39 Wear suitable protective clothing, gloves and eye / face protection. S45 In case of accident or malaise consult a doctor immediately (if possible show the label). S60: This product and its container must be disposed of as hazardous waste. S61: Avoid release to the environment. Refer to special instructions / consult safety data sheet. Contains: ethanolamine, Didecylidimethylammonium chloride.	

2.3. Other hazards

PBT:	Not know
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Section 3. Composition/information on ingredients

3.1. Mixtures

Solution in water

Hazardous ingredients:	Regulation (EC) No 1272/2008 and 199/45/EC
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Chemical Name	EC No.	CAS No.	EC-Index-No.	CHIP Classification 1999/45/EC	CLP Classification Regulation (EC) No 1272/2008	Percent
Ethanolamine REACH Registration Number: 01-2119486455-28	205-483-3	141-43-5	603-030-00-8	Xn, C R 20/21/22 R34	Acute Tox. 4, H302 Acute Tox. 4, H332 Acute Tox. 4, H312 Skin Corr. 1B, H314	<10%
Didecylidimethylammonium chloride (*)	230-525-2	7173-51-5	612-131-00-6	C, N R22 R34 R50	Acute Tox. 3, H301 Skin Corr. 1B, H314 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	<10%
Potassium carbonate REACH Registration Number: 01-2119532646-36	209-529-3	584-08-7		Xi R36/37/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	<20%
2-Propanol REACH Registration Number: 01-2119457558-25	200-661-7	67-63-0	603-117-00-0	F, Xi R11 R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	<20%

Text of R-phrases see section 16.

(*) A registration number for that substance does not exist, as the substance or its use according to Article 2 of Regulation (EC) no. 1907/2006 (REACH) of the Registration is excluded, the annual tonnage does not require a registration or the registration to is later provided.

Section 4. First aid measures**4.1. Description of first aid measures**

Skin contact:	Wash off with plenty of water. Swap with polyethylene glycol 400. Immediately remove contaminated clothing. Call a physician immediately.
Eye contact:	Rinse out with plenty of water with the eyelid open. Immediately contact an ophthalmologist.
Ingestion:	Drink plenty of water (2 glasses at most), do not induce vomiting (risk of perforation), seek medical attention immediately. Do not attempt to neutralize. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.
Inhalation:	Fresh air. If necessary, consult a physician.

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

	Irritant effects, bronchitis, cough, shortness of breath, respiratory paralysis, drowsiness, dizziness, nausea, vomiting, unconsciousness, narcosis, inebriation, headache, drowsiness, coma. Drying-out effect resulting in rough and chapped skin.
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4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment:	No information available.
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Section 5: Fire-fighting measures**5.1. Extinguishing media**

Extinguishing media:	Suitable extinguishing media. Carbon dioxide, foam, powder. Unsuitable extinguishing media For this substance / mixture no limitations of extinguishing agents are given.
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5.2. Special hazards arising from the substance or mixture

Exposure hazards:	Contains combustible material. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at ambient temperatures Pay attention to flashback. Development of hazardous combustion gases or vapours possible in the event of fire.
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5.3. Advice for fire-fighters

Advice for fire-fighters:	Special protective equipment for firefighters. Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus. Further information: Prevent fire-fighting water from entering surface water or groundwater.
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Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions:	Caution: Risk of slipping. Do not inhale vapours/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms.
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6.2. Environmental precautions

Environmental precautions:	Do not allow to enter sewerage system.
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6.3. Methods and material for containment and cleaning up

Clean-up procedures:	Take up with incombustible liquid-absorbent material. Forward for disposal. Clean up affected area.
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6.4. Reference to other sections

Reference to other sections:	Disposal see section. 13
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Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements:	Ensure good ventilation / exhaustion at the workplace. Avoid contact with the skin and eyes. Do not inhale vapours / aerosols. Avoid generation of vapours / aerosols. Information about fire and explosion protection. Not required.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:	Store cool above 5 °C. Protect from direct sunlight and heat. Tightly closed in a well-ventilated place.
Suitable packaging:	-

7.3. Specific end use(s)

Specific end use(s):	Apart from the uses mentioned in section 1 are no other end-uses provided.
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Section 8: Exposure controls / personal protection

8.1. Control parameters

	Name	Short term exposure limit (STEL)	Time weighted average (TWA)
2-Propanol EH40 WEL			
	2-Propanol	500 ppm 1250 mg/m ³	400 ppm 999 mg/m ³
Ethanolamine EH40 WEL			
	Ethanolamin	3 ppm 7.6 mg/m ³	1 ppm 2.5 mg/m ³

8.2. Exposure controls

Individual protection measures

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection:	Required when vapours/aerosols are generated. Filter A (EN 14387).
Hand protection:	Glove material: Nitrile rubber. Details on the penetration time have to be asked by the manufacturer. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN 374

Eye/face protection:	Tightly fitting safety goggles (EN 166).
Other protective equipment:	protective clothing
Hygiene measures:	Change contaminated clothing. Apply skin- protective barrier cream. Wash hands after working.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:	Liquid		
Colour:	Colourless		
Odour:	Characteristic		
Solubility in water:	Soluble		
Boiling point:	Not determined		
Melting point:	Not determined		
Viscosity:	Not determined		
Flammability limits%	Lower:	3.4% (Ethanolamine) 2% (2-Propanol)	Upper: 27% (Ethanolamine) 13.4% (2-Propanol)
	Flash point °C	not applicable	Relative density: (23 ° C) ~ 1.1 g / cm ³
pH:	~ 12		

9.2. Other information

Other information:	None
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Section 10: Stability and reactivity

10.1. Reactivity

Reactivity:	Forms explosive mixtures with air on intense heating.
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10.2. Chemical stability

Chemical stability:	The product is chemically stable under standard ambient conditions (room temperature).
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10.3. Possibility of hazardous reactions

Hazardous reaction:	<p>Acrolein, nitriles, chlorosulfonic acid, hydrogen chloride gas, acetic acid, Acetic anhydride, fuming sulfuric acid, nitric acid, sulphuric acid, mineral acids, vinyl acetate, oxidizing agents.</p> <p>Risk of ignition or formation of inflammable gases or vapours with: Sulfur, iron(III) compounds, alkali metals, alkaline earth metals, aluminium.</p> <p>Exothermic reaction with: Oxidants, nitrous acid, iron.</p> <p>Risk of explosion with: Chlorates, organic nitro compounds, hydrogen peroxide. Caution! In contact with nitrites, nitrates, nitrous acid possible liberation of nitosamines!</p>
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10.4. Conditions to avoid

Conditions to avoid:	Strong heating.
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10.5. Incompatible materials

Materials to avoid:	Rubber, various plastics, oils, copper, copper alloys.
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10.6. Hazardous decomposition products

Haz. decomp. products:	See section. 5
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Section 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity		
LD ₅₀ rat:	238 mg / kg (OECD 401; Didecyldimethylammoniumchlorid)	Symptoms: Risk of aspiration upon vomiting, Aspiration may cause pulmonary oedema and pneumonitis.
LDL ₀ human:	3570 mg / kg (RTECS; 2-Propanol)	
LD ₅₀ rat:	5045 mg / kg (RTECS; 2-Propanol)	
LD ₅₀ rat:	1515 mg / kg (External MSDS; Ethanolamine)	Symptoms: If ingested, severe burns of the mouth and throat and to the danger of perforation of the oesophagus and stomach.
LD ₅₀ rat:	> 2000 mg / kg (IUCLID, Potassium carbonate)	Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.
Acute dermal toxicity		
LD ₅₀ rabbit:	3342 mg / kg (External MSDS; Didecyldimethylammonium chloride)	
LD ₅₀ rabbit:	12800 mg / kg (RTECS; 2-Propanol)	
LD ₅₀ rabbit:	1025 mg / kg (IUCLID; Ethanolamine)	
Acute inhalation toxicity		
ATE:	11.1 mg / l / 4 h (External MSDS; Ethanolamine)	Symptoms: Mucosal irritations, Shortness of breath, cough. Possible damages: bronchitis, damage to the respiratory tract. Absorption.
LC ₅₀ rat:	46.5 mg / l / 4 h (External MSDS; 2-Propanol)	Symptoms: drowsiness, dizziness, irritation symptoms of the respiratory tract. Symptoms: mucosal irritations, cough, shortness of breath. Possible consequences: Damage to the respiratory tract.
Skin irritation		
Rabbit:	Atzend (OECD 404; Didecyldimethylammonium chloride).	Symptoms: Causes skin irritation.
Rabbit:	Atzend (IUCLID; Ethanolamine)	
Rabbit:	Irritations (IUCLID, Potassium carbonate)	
Eye irritation		
Rabbit:	Didecyldimethylammonium chloride (External MSDS)	Causes burns
Rabbit:	Eye irritation (RTECS, 2-Propanol).	Causes serious eye irritation.
Rabbit:	IUCLID; ethanolamine	Causes burns. Causes serious eye damage. Risk of blindness!
Rabbit:	IUCLID, potassium carbonate	Eye irritation. Causes serious eye irritation.

Sensitization		
Guinea pig:	Buehler Test; Didecyldimethylammonium chloride	negative
Guinea pig:	IUCLID, 2-Propanol	negative
Genotoxicity in vivo		
Mutagenicity (mammal cell test):	Micronucleus; OECD 474; Ethanolamine	negative
Chromosome aberration test, oral, rat:	OECD 475; Didecyldimethylammonium chloride	negative
Genotoxicity in vitro		
Ames test:	Salmonella typhimurium: OECD 471; Didecyldimethylammonium chloride	negative
Chromosome aberration test, CHO cells:	External MSDS; Didecyldimethylammonium chloride	negative
Gene mutation, CHO cells:	External MSDS; Didecyldimethylammonium chloride	negative
Ames test:	IUCLID, 2-Propanol	negative
Mutagenicity (mammal cell test):	Micronucleus; External MSDS; 2-Propanol	negative
Ames test:	IUCLID, Ethanolamine	negative
Ames test:	IUCLID, Potassium carbonate	negative
Carcinogenicity		
Did not show carcinogenic effects in animal experiments (IUCLID; 2-Propanol).		
Reproductive toxicity		
No impairment of reproductive performance in animal experiments (IUCLID; 2-Propanol).		
Teratogenicity		
No teratogenic effects in animal experiments (IUCLID; 2-Propanol).		
Specific target organ toxicity - single exposure		
May cause drowsiness and dizziness.		
Specific target organ toxicity - repeated exposure		
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.		
Aspiration		
No classification in terms of aspiration.		

11.2 Further information

Systemic effects: After absorption: headache, dizziness, inebriation, unconsciousness, narcosis, nausea, dizziness, nausea, vomiting.

Damage to: kidney, liver. After absorption of large quantities: respiratory paralysis, coma.

Other dangerous properties cannot be excluded. The product is compliant with to handle when dealing with chemicals usual care.

Section 12: Ecological information

12.1. Toxicity

Toxicity to fish	
Pimephales promelas LC ₅₀ :	00:19 mg / l / 96 h (US EPA; Didecyldimethylammonium chloride).
Danio rerio NOECD:	0.032 mg / l / 34 d (OECD 210; Didecyldimethylammonium chloride)
Lepomis macrochirus LC ₅₀ :	1400 mg / l / 96 h (ECOTOX Database; 2-Propanol)
Oncorhynchus mykiss LC ₅₀ :	150 mg / l / 96 h (IUCLID; Ethanolamine)
Toxicity to daphnia and other aquatic invertebrates	
Daphnia magna:	EC ₅₀ : 0.062 mg / l / 48 h (EPA-FIFRA; Didecyldimethylammonium chloride).
Daphnia magna:	NOEC: 0.010 mg / l / 21 d (OECD 211; Didecyldimethylammonium chloride).
Daphnia magna:	EC ₅₀ : 13299 mg / l / 48 h (IUCLID; 2-Propanol)
Entosiphon sulcatum:	EC ₅ : 4930 mg / l / 72 h (maximum permissible toxic concentration; Foreign safety data sheet; 2-Propanol)
Entosiphon sulcatum:	EC ₅ : 45 mg / l / 72 h (IUCLID; Ethanolamine)
Daphnia magna	EC ₅₀ : 65 mg / l / 48 h (IUCLID; Ethanolamine)
Toxicity to algae	
EC ₅₀ :	0.026 mg / l / 96 h (OECD 201; Didecyldimethylammonium chloride).
Desmodesmus subspicatus IC ₅₀ :	> 1000 mg / l / 72 h (IUCLID; 2-Propanol)
Desmodesmus subspicatus IC ₅₀ :	22 mg / l / 72 h (IUCLID; Ethanolamine)
Scenedesmus quadricauda IC ₅ :	0.75 mg / l / 8 d (IUCLID; Ethanolamine)
Toxicity to bacteria	
Activated sludge EC ₅₀ :	11 mg / l / 3 h (OECD 209; Didecyldimethylammonium chloride).
Pseudomonas putida EC ₅ :	1050 mg / l / 16 h (External MSDS; 2-Propanol)
Activated sludge EC ₅₀ :	> 1000 mg / l / 3 h (OECD 209; Ethanolamine)

12.2. Persistence and degradability

Biodegradability

The surfactants contained in this preparation complies 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.

Biodegradation:	72% / 28 d (OECD 301B; Didecyldimethylammonium chloride).
	Readily biodegradable (Didecyldimethylammonium chloride).
Biodegradation:	95% / 21 d (OECD 301E; 2-Propanol)
	Readily biodegradable (2-Propanol)
Biodegradation:	90-100% / 28 d (OECD 301F; Ethanolamine)
	Readily biodegradable (Ethanolamine)
Biochemical Oxygen Demand (BOD)	800 mg / g / 5 d (IUCLID; Ethanolamine)

Theoretical oxygen demand (ThOD)	2,400 mg / g (External MSDS; 2-Propanol) 1310 mg / g (IUCLID; Ethanolamine)
Ratio BOD / ThBSB	
BSD ₅ :	49% (IUCLID; 2-Propanol)
Ratio COD / ThBSB	
	96% (external MSDS; 2-Propanol)

12.3. Bioaccumulative potential

Bioaccumulative potential:	Partition coefficient n-octanol / water: log P _{ow} : 0.05 (OECD 107; 2-Propanol). No bioaccumulation is to be expected (2-Propanol). Partition coefficient n-octanol / water: log P _{ow} : -1.91 (OECD 107; Ethanolamine) No bioaccumulation is to be expected (Ethanolamine)
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12.4. Mobility on soil

Mobility:	No information available.
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12.5. Results of PBT and vPvB assessment

PBT / vPvB identification:	PBT / vPvB assessment not available as chemical safety assessment not required / not conducted.
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12.6. Other adverse effect

Biological effects:	Harmful effect due to pH shift. Do not allow to enter waters, waste water, or soil!
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Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations:	Chemicals must be disposed of in compliance with the respective national regulations. Waste Code according to directive 2000/532 / EC 200129 * detergents containing dangerous substances. 070601 * aqueous washing liquids and mother liquors.
Disposal of packing:	Product packaging must be disposed of in compliance with the country-specific regulations or must be to a packaging return system.
Waste Code and name according to directive 2000/532 / EC	200139 plastics

Section 14: Transport information

14.1. UN number

UN number:	UN 3267
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14.2. UN proper shipping name (under ADR/RID, IMDG, IATA-DGR)

Shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Didecyldimethylammonium Chloride, Ethanolamine)
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14.3. Transport hazard class(es)

Transport class:	8
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14.4. Packing group

Packing group:	II
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14.5. Environmental hazards

Environmentally hazardous:	yes	Marine pollutant:	yes
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14.6. Special precautions for user

EmS Fire / Spill Codes:	F-A (General fire Schedule) S-B (Corrosive Substances)
Tunnel code:	E
Transport category:	The transport regulations are cited according to international regulations and in the form in which they are applied in Germany, cited. Possible national deviations in other countries are not considered.

Section 15: Regulatory information

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

EU rules Ingredients according to Detergents	
Regulation 648/2004 / EC:	
Non-ionic surfactants:	less than 5%
Disinfectants:	Didecyldimethylammoniumchlorid.

15.2. Chemical Safety Assessment

Chemical safety assessment:	For this product a chemical safety assessment was not carried out.
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Section 16: Other information

Other information

Phrases used in Section 2 and section 3:	<p>Full text of risk phrases referred to under sections 2 and 3</p> <p>H225 Highly flammable liquid and vapor. H301 Toxic if swallowed. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness and dizziness. H400 Very toxic to aquatic organisms. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects</p> <p>Full text of R-phrases referred to under sections 2 and 3</p> <p>11 Highly flammable. 20/21/22 Harmful by inhalation, in contact with skin. 34 Causes burns. 36 Irritating to eyes. 36/37/38 Irritating to eyes, respiratory system and skin. 67 Vapours may cause drowsiness and dizziness.</p>
Legal disclaimer:	The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.