



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name	Lancelot Green Cleaner
Trade Name	Not known.
Product code	Not known.
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.

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

Identified Use(s)	Not known.
Uses Advised Against	Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification	R&D Laboratories Ltd
Address of Manufacturer	Unit U, Enkalon Industrial Estate Antrim
Postal code	BT41 4LJ
Telephone:	+44(0) 2894 465753
Fax	Not known.
E-mail	support@mistral-chemicals.zendesk.com
Office hours	

Supplier

Company Identification	R&D Laboratories Ltd
Address of Supplier	Unit U, Enkalon Industrial Estate Antrim
Postal code	BT41 4LJ
Telephone:	+44(0) 2894 465753
Fax	Not known.
E-mail	support@mistral-chemicals.zendesk.com
Office hours	

1.4 Emergency telephone number

Emergency Phone No.	+44(0) 2894 465753
Contact	Barry Kelly

National response center

Address	National Poisons Information Service (Birmingham Centre) City Hospital Dudley Road, Birmingham, United Kingdom
Emergency Phone No.	+00 448 706 006 266 NHS Direct - 0845 4647 or 111

2. SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Aquatic Acute 1 : Very toxic to aquatic life.
 Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.
 Eye Dam. 1 : Causes serious eye damage.
 Skin Irrit. 2 : Causes skin irritation.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name

Lancelot Green Cleaner

Hazard Pictogram(s)



GHS05

GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H315: Causes skin irritation.
 H318: Causes serious eye damage.
 H400: Very toxic to aquatic life.
 H412: Harmful to aquatic life with long lasting effects.
 EUH210: Safety data sheet available on request.
 EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary Statement(s)

P264: Wash hands thoroughly after handling.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 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.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

Not known.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. REACH Registration No.	%W/W Hazard Statement(s)	Hazard Pictogram(s)
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SAFETY DATA SHEET

didecyldimethylammonium chloride	7173-51-5	230-525-2	1-5	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 2 H411	GHS07 GHS05 GHS09
ethanol ethyl alcohol	64-17-5	200-578-6	1-2	Flam. Liq. 2 H225	GHS02

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with water.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see on this label). Immediately call a POISON CENTER/doctor. Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient.
 Storage life Stable under normal conditions.
 Incompatible materials None known.

7.3 Specific end use(s)

Not known.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Ethanol	64-17-5	1000	1920			
Remark	Footnote					

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

Normally no personal respiratory protection is necessary.

Thermal hazards None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Liquid.
 Colour : Green
 Odour Slight
 Odour threshold Not known.



pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	0.99-1.0
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Completely soluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

Not known.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None anticipated.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	None anticipated.
10.5 Incompatible materials	Not known.
10.6 Hazardous decomposition product(s)	None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 10204.08000
Acute toxicity - Skin Contact	Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 22448.98000
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Calculation method : Causes skin irritation.
Serious eye damage/irritation	Calculation method : Causes serious eye damage.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.



Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Not known.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Toxic to aquatic life.
Toxicity - Fish	Toxic to aquatic life.
Toxicity - Algae	Toxic to aquatic life.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2. Persistence and Degradation Not known.

12.3. Bioaccumulative potential Not known.

12.4. Mobility in soil Not known.

12.5. Results of PBT and vPvB assessment Not known.

12.6 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3082

14.2 UN proper shipping name

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

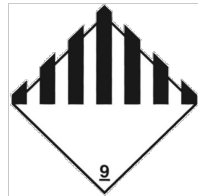
14.3 Transport hazard class(es)

ADR/RID Class	9
IMDG Class	9
IMDG EMS	Not available

ICAO/IATA	
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y964
Passenger and Cargo Aircraft Limited Quantities Max net Qty	30Kg
Passenger and Cargo Aircraft Max net Qty	964
Passenger and Cargo Aircraft Max net Qty	450L
Cargo Aircraft Packing Instructions	964
Cargo Aircraft Max net Qty	450L
Special Provisions	A97, A158
Emergency Response Guidebook (ERG) Code	9L
ADR Classification Code	M6
ADR HIN	90
ADR Transport Category	3
Tunnel Restriction Code	E
Emergency Action Code	•3Z
APP Advice on Additional Personal Protection (APP)	Not applicable

14.4 Packing group

Packing group	III
Labels	9



Special Provisions	274 335 601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19

14.5 Environmental hazards

Environmental hazards	Not known.
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14.6 Special precautions for user

Special precautions for user	Not known.
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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code



Packing Instructions for Portable T4
Tanks

Special Provisions for Portable Tanks TP1 TP29

Tank Code for Tanks LGBV

Special Provisions for Tanks Not applicable

Vehicle for Tank Carriage AT

Special Provisions for Carriage - Packages V12

Special Provisions for Carriage - Bulk Not applicable

Special Provisions for Carriage - Loading, Unloading and Handling CV13

Special Provisions for Carriage - Operation Not applicable

15. SECTION 15: REGULATORY INFORMATION

15.1 European Regulations

Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation All chemicals are not listed

REACH: ANNEX XIV list of substances subject to authorisation All chemicals are not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles All chemicals are not listed

Community Rolling Action Plan (CoRAP) Not known.

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Didecyldimethylammonium chloride (7173-51-5)

15.2 National regulations

Other Not known.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



Hazard Statement(s)

H315: Causes skin irritation.
H318: Causes serious eye damage.
H400: Very toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.
EUH210: Safety data sheet available on request.
EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary Statement(s)

P264: Wash hands thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
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).
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.
P501: Dispose of contents in accordance with local, state or national legislation.

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