

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Product name : Actiwash Domestic
Product group : Blend

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

For use only as a surface biocide for exterior surfaces : Amateur/Professional Use

1.2.2 Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Hansbury Chemicals
Colemanstown, Ballinasloe, Galway, Ireland
Email: info@hansburychemicals.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency Number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals 24/7) +353 1 809 2166 (public, 8am – 10pm, 7/7)
United Kingdom	National Poisons Information Service (Birmingham Centre)	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Causes severe skin burns and eye damage. Skin Corr. 1B : H314
Causes serious eye damage. Eye Damage 1 : H318
Very toxic to aquatic life with long lasting effects. Aquatic chronic 1 : H410

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05



GHS07



GHS09

Signal word (CLP)

Danger

Hazard statements (CLP)

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

P260 Do not breathe mist/vapours/spray

P280 Wear protective gloves / eye protection / face protection

P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Regulation (EC) No 1272/2008 [CLP]
Didecyldimethylammonium chloride	CAS: 7173-51-5 EINECS: 230-525-2 Index number: 612-131-00-6	9-10	Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312
Propan-2-ol	CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr 01-2119457558-25	1-5	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Call a poison centre or a doctor if you feel unwell.
First-aid measures after inhalation	:	Supply fresh air; consult doctor in case of complaints.
First-aid measures after skin contact	:	Immediately rinse with water. If skin irritation continues, consult a doctor.
First-aid measures after eye contact	:	Rinse opened eye for several minutes under running water. Call a doctor immediately.
First-aid measures after ingestion	:	Rinse mouth. Call for a doctor immediately.

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

Symptoms/effects after skin contact	:	Irritation.
Symptoms/effects after eye contact	:	Serious damage to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray. Dry powder. Foam. Carbon Dioxide
Unsuitable extinguishing media	:	

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	:	Toxic fumes may be released such as: Nitrogen oxides (NO _x) Hydrogen chloride (HCl) Carbon monoxide (CO)
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5.3. Advice for firefighters

Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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5.4. Additional information

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the workstation. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store with lid tightly closed in a well-ventilated place at normal room temperature. Keep product out of reach of children.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with critical values that require monitoring at the workplace:	
67-63-0 propan-2-ol	
OEL (Ireland)	Short-term value: 400 ppm Long-term value: 200 ppm Sk

DNELs		
67-63-0 propan-2-ol		
Oral	Long-term - systemic effects	26 mg/kg bw/day (Consumer)
Dermal	Long-term - systemic effects	319 mg/kg bw/day (Consumer) 888 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects	89 mg/m ³ (Consumer) 500 mg/m ³ (Worker)

PNECs	
67-63-0 propan-2-ol	
Fresh water	140.9 mg/l
Marine water	140.9 mg/l
Intermittent releases	140.9 mg/l
STP	2,251 mg/l
Fresh water sediment	552 mg/kg
Marine sediment	552 mg/kg
Soil	28 mg/kg

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear protective gloves
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear appropriate mask
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Clear, colourless to slightly yellowish
Odour	:	Alcoholic
Odour threshold	:	No data available
pH	:	7 – 8
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	100 °C
Flash point	:	Not applicable
Flammability	:	Not applicable
Danger of explosion	:	Product does not present an explosion hazard
Critical values for explosion	:	
Lower	:	No data available
Upper	:	No data available
Vapour pressure at 20 °C	:	23 hPa
Density at 20 °C	:	0.99 g/cm ³
Solubility with	:	
Water	:	Fully soluble

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions. Minimum shelf life: 24 months from production date.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on the available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	2,380 mg/kg (Rat)

7173-51-5 didecyldimethylammonium chloride		
Oral	LD50	238 mg/kg (Rat)
Dermal	LD50	3,342 mg/kg (Rabbit)
67-63-0 propan-2-ol		
Oral	LD50	5,045 mg/kg (Rat)
Dermal	LD50	12,800 mg/kg (Rabbit)
Inhalative	LC50/4 h	30 mg/l (Rat)

Primary irritant effect:

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met. CMR effects (carcinogenic, mutagenic and reprotoxic):

Germ cell mutagenicity: Based on available data, the classification criteria are not met. Carcinogenicity: Based on available data, the classification criteria are not met.

Reprotoxicity: 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: 7 173-51-5 didecyldimethylammonium chloride	
EC50 / 48h:	0.06 mg/l (Daphnia)
EC50 / 96h:	0.12 mg/l (Selenastrum capricornutum)
LC50 / 96h:	0.97 mg/l (Brachydanio rerio)

Evaluation:

Very toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

Toxicity on activated sludge organisms:

7173-51-5 didecyldimethylammonium chloride

EC0 2 mg/l (Activated Sludge)

Evaluation: Depending on concentration, toxic effects on activated sludge organisms are possible.

41.1.10

12.2. Persistence and degradability

Degree of elimination:

- Biodegradability: 7173-51-5 didecyldimethylammonium chloride

OECD 301 D Closed-Bottle-Test	> 70 % (Activated Sludge) (OECD 301 D) S 598
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Evaluation: The component(s) is (are) rapidly biodegradable.

Evaluation: The substances are biodegradable/eliminable in activated sludge units.

12.3. Bioaccumulative potential

BCF / LogKow: 7173-51-5 didecyldimethylammonium chloride	
OECD 117 Log Kow (HPLC method)	(n-Octanol/water) (OECD 117) not determinable
OECD 305 Biokonzentrationsfaktor BCF	81 BCF (Fish) (OECD 305) literature

Evaluation: Not worth-mentioning accumulating in organisms

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

ADR, RID, ADN, IMO/IMDG, ICAO/IATA

14.1. UN number

UN1760

14.2. UN proper shipping name:

ADR: 1760 CORROSIVE LIQUID, N.O.S. (didecyldimethylammonium chloride), ENVIRONMENTALLY HAZARDOUS

IMDG: CORROSIVE LIQUID, N.O.S. (didecyldimethylammonium chloride), MARINE POLLUTANT

IATA: CORROSIVE LIQUID, N.O.S. (didecyldimethylammonium chloride)

14.3. Transport hazard class(es)

8

14.4. Packing group

II

14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes

14.6. Special precautions for user

Warning: Corrosive substances
Kemler number: 80
EMS number: F-A,S-B

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The product is not transported in bulk tankers.

SECTION 15: Regulatory information

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

No additional Information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bio accumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bio accumulative
ED	Endocrine disrupting properties

This information is based on our present knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

Classification procedure

The classification of the mixture is in general based on the calculation methods using substance data, as required by Regulation (EC) No 1272/2008.