

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

Product form : Mixture  
Product name : Actiwash Pro  
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 : Industrial/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](mailto: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]**

Harmful if swallowed. Acute Tox 4 : H302  
Flammable liquid and vapor. Flam. Liq. 3 : H226  
Causes severe skin burns and eye damage. Skin Corr. 1B : H314  
Causes serious eye damage. Eye Damage 1 : H318  
Very toxic to aquatic life. Aquatic Acute 1 : H400

Toxic to aquatic life with long lasting effects. Aquatic chronic 2 : H411  
May cause drowsiness or dizziness. STOT SE 3 : H336

**Adverse physicochemical, human health and environmental effects**

May cause damage to organs through prolonged or repeated exposure. Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Toxic to aquatic life with long lasting effects. May cause drowsiness or dizziness. Flammable liquid and vapor.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP)



GHS02



GHS05



GHS07



GHS09

Signal word (CLP)

Danger

Hazard statements (CLP)

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H336 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

P273 Avoid release to the environment.

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.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P391 Collect spillage.

**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	50	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	10-25	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.
- Symptoms/effects after ingestion : Corrosive damage to gastro-intestinal tract.

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

Treat symptomatically.  
If swallowed, gastric irrigation with activated carbon.  
Rinse eyes thoroughly with physiological saline.

## 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<sub>x</sub>)  
Hydrogen chloride (HCl)  
Carbon monoxide (CO)

## 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.

## 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 (10 - 25%)	
WEL (Great Britain)	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

#### 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	: 6 – 8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -13 °C
Freezing point	: No data available
Boiling point	: 92 °C
Flash point	: 34 °C (ISO 13736 - S 3535)
Ignition temperature	: 260 °C (IPA)
Self-inflammability	: Product is not self-igniting
Danger of explosion	: Fumes can combine with air to form an explosive mixture
Critical values for explosion	:
Lower	: 2.0 Vol % (IPA)
Upper	: 12.0 Vol % (IPA)
Vapour pressure at 20 °C	: 48 hPa (IPA)
Density at 20 °C	: 0.895 – 0.915
Solubility with	:
Water	: Fully soluble
Organic solvents	: 20%

## 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

Harmful if swallowed.

LD/LC50 values that are relevant for classification:

Oral: LD50 658 mg/kg (rat)

Dermal: LD50 > 2000 mg/kg (rat)

Evaluation: Harmful if swallowed.

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Results of studies: 7173-51-5 didecyldimethylammonium chloride

Dermal: OECD 404 (skin) corrosive (rabbit) (OECD 404)

Serious eye damage/irritation: Causes serious eye damage.

Sensitisation: Non sensitising.

Results of studies: 7173-51-5 didecyldimethylammonium chloride

Sensitisation	OECD 406 (Buehler)	not sensitising (Guinea pig) (OECD 406) S 464
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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: May cause drowsiness or dizziness.

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

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

ADR, IMDG, IATA UN2920

### 14.2. UN proper shipping name:

ADR: 2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S.

(didecyldimethylammonium chloride,  
ISOPROPANOL (ISOPROPYL ALCOHOL)),

ENVIRONMENTALLY HAZARDOUS

IMDG: CORROSIVE LIQUID, FLAMMABLE, N.O.S.

(didecyldimethylammonium chloride,  
ISOPROPANOL (ISOPROPYL ALCOHOL)),

MARINE POLLUTANT

IATA CORROSIVE LIQUID, FLAMMABLE, N.O.S.

(didecyldimethylammonium chloride,  
ISOPROPANOL (ISOPROPYL ALCOHOL))

### 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: 83

EMS number: F-E,S-C

**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**

National regulations:

Information about limitation of use:

Take note of Directive 94/33/EC on the protection of young people at work.

Take note of Directive 92/85/EC on the safety and health of pregnant women at work.

Regulations which may apply in event of accident: Control of Major Accident Hazards

(COMAH)

Critical quantity values according to the regulations on accidents (Seveso Directive) should be adhered to.

Indication of VOC:

VOC according to Directive 1999/13/EC: VOC-value: 20 % (calculated)

VOC according to Decopaint Directive (2004/42/EC): Max. VOC-content: 181 g/L.

SVOC according to EU-Ecolabel for interior and exterior paints (2014/312/EU):

This product does not contain any Semi Volatile Organic Compounds in the definition of the 2014/312/EU.

**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.