

Revision: 1.1

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Section 1. Identification

1.1 Product Identifier 0196

Product Name DECAN-1-OL

CAS Number 112-30-1

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula $\text{C}_8\text{H}_{17}\text{OH}$ = 158.28

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

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Vickers Laboratories Ltd



Grangefield Industrial Estate
Richardshaw Road
Pudsey
West Yorkshire
LS28 6QW
UNITED KINGDOM

Phone 44 0113 2362811
Fax +44(0)113 2362703
Email safety@viclabs.co.uk
Website www.viclabs.co.uk

1.4 Emergency Telephone (08:00-16:30) +44(0) 113 2362811 (24hr) 112 (Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Skin corrosion/irritation, category 2

Acute toxicity, category 4 (inhalation)

Serious eye damage/irritation, category 2

Hazard to aquatic environment, category 2

H315: Causes skin irritation.

H332: Harmful if inhaled.

H319: Causes serious eye irritation.

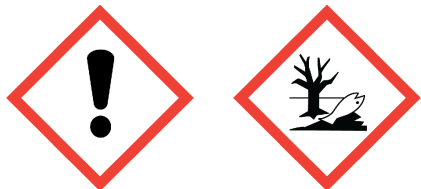
H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Warning

Hazard Pictograms



Hazard Statements Causes serious eye irritation. Causes skin irritation. Harmful if inhaled. Toxic to aquatic life with long lasting effects.

Precautionary Statements Wear protective gloves / protective clothing / eye protection / face protection. Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Decan-1-ol	112-30-1	203-956-9		99%	Skin Irrit. 2, Acute Tox. 4 (I), Eye Irrit. 2, Aquatic Chronic 2

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Flush with water for at least 15 minutes and contact physician.
Skin	Thoroughly wash off skin with soap and water. Unless contact has been slight OBTAIN MEDICAL ATTENTION
Inhalation	Remove from exposure. Keep warm and at rest. If breathing stops or shows signs of failing, apply artificial resuscitation. Seek medical attention if irritation persists.
Ingestion	If conscious wash out mouth with water. If large quantities are ingested seek medical attention.
Personal protection for first aiders	Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & 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. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Water spray, alcohol resistant foam, dry powder or carbon dioxide.
Unsuitable Media	Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards	Presents no specific fire danger.
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5.3 Advice for firefighters

Advice for firefighters	Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Evacuate area immediately. Use approved personal protective equipment. Avoid breathing vapour.
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6.2 Environmental precautions

Environmental Keep material out of sewers, storm drains, surface waters and soil.

6.3 Methods and material for containment and cleaning up

Major Spillage Absorb into dry earth or sand. Sweep up and transfer to a suitable container for disposal. Ventilate area and wash spill site after material pickup is complete.

Minor Spillage Contain and absorb on inert material. Transfer absorbent to container for removal. Wash area down with copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended limits.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Protect from direct sun and store away from sources of ignition. Keep containers closed when not in use. Keep well separated from oxidising agents.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits	
			Long Term (8hr TWA)	Short Term 15min period
Decan-1-0l	112-30-1	99%	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

Respiratory Protection Use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits. If not, use a well maintained chemical cartridge organic vapour respirator, or use self contained breathing apparatus.

Hand Protection Use solvent resistant gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Clear colourless liquid

Odour Sweet odour.

pH Not applicable

Boiling Point 230°C Approx.

Melting Point 6°C Approx.

Flash Point 82°C (Closed cup)

Upper Flammable Limit Not applicable

Lower Flammable Limit Not applicable

Auto Ignition 255°C

Explosive Properties No.

Oxidising Properties No.

Vapour Pressure Not applicable

Relative Density	0.8280
Water Solubility	Negligible.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity	No data available.
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No data available.
10.4 Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.
10.5 Incompatible Materials	Strong oxidising agents. Acid chlorides and acid anhydrides.
10.6 Hazardous Decomposition Products	None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Causes serious eye irritation.
Skin	Causes skin irritation.
LD50 Skin	>2000 - 4000mg/kg Rabbit
Ingestion	Low order of acute toxicity.
LD50 Oral	4720mg/kg Rat
Inhalation	Harmful if inhaled.
LD50 Inhalation	4mg/m ³ Mouse (4 hours)
TCLo	Not available
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.

Section 12. Ecological

12.1 Toxicity	Toxic to aquatic life with long lasting effects.
LC50 Algal	Not available
LC50 Crustacea	0.11mg/l Daphnia magna
LC50 Fish	Not available
12.2 Persistence and degradability	Biodegradation is expected to be moderate to high.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 Results of PBT & vPvB assessment	Assessment not required.
12.6 Other adverse effects	None known at present.

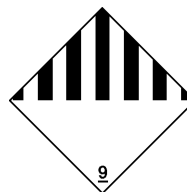
Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Dispose of in a licensed incinerator for organic solvents. Do not dispose of as domestic waste. Never dispose of into water courses or sewerage systems due to high risk of explosion.
Contaminated Packaging	Use a licensed waste disposer. Do not attempt to burn any residual liquids due to risk of explosion.

Section 14. Transport Information

14.1 UN Number	3082
14.2 Proper Shipping Name	Environmentally hazardous substance, liquid, N.O.S. (1-Decanol)
14.3 Transport classes	
UN classification	9
Subsidiary hazard(s)	None
Transport category	3
ADR Hazard ID	90
Tunnel Restriction Code	E
14.4 Packing Group	III
14.5 Environment hazards	Marine pollutant.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.



Section 15. Regulatory Information

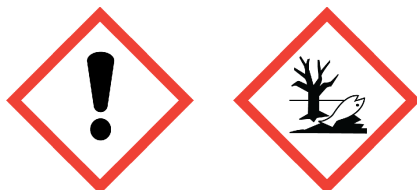
15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Skin corrosion/irritation, category 2; Acute toxicity, category 4 (inhalation); Serious eye damage/irritation, category 2; Hazard to aquatic environment, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H319, H315, H332, H411
Causes serious eye irritation. Causes skin irritation. Harmful if inhaled. Toxic to aquatic life with long lasting effects.

Precautionary Statements P280, P273, P305+P351+P338
Wear protective gloves / protective clothing / eye protection / face protection. Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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