

Section 1. Identification

1.1 Product Identifier 0087

Product Name 1-NAPTHOL

CAS Number 90-15-3

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 $C_{10}H_8O$ = 144.17

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



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Phone 44 0113 2362811
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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

Acute toxicity, category 4 (oral)

Skin corrosion/irritation, category 2

Acute toxicity, category 4 (dermal)

Serious eye damage/irritation, category 1

Spec target organ tox - single, category 3

H302: Harmful if swallowed.

H315: Causes skin irritation.

H312: Harmful in contact with skin.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



Hazard Statements Harmful if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

Precautionary Statements Wear protective gloves / protective clothing / eye protection. Wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
1-NAPTHOL	90-15-3	201-969-4		>99%	Acute Tox. 4 (O),Skin Irrit. 2,Acute Tox. 4 (D),Eye Dam. 1,STOT SE 3 (I)

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Flush with water for at least 15 minutes and contact physician.
Skin	Remove contaminated clothing immediately and wash before re-use. Thoroughly wash off skin with soap and water.
Inhalation	Remove from exposure. Keep warm and at rest. If breathing stops or shows signs of failing, apply artificial resuscitation.
Ingestion	Do not induce vomiting. OBTAIN 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	Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards	May evolve toxic fumes if involved in a fire.
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5.3 Advice for firefighters

Advice for firefighters	Consider all other materials in the vicinity.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Use approved personal protective equipment. Do not create dust. Avoid breathing dust.
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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 Sweep up and transfer to a suitable container for disposal. Wash area down with copious amounts of water.
Minor Spillage Sweep up and transfer to a suitable container for disposal. 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 creating dust.
Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Keep containers closed when not in use. Keep well separated from oxidising agents. Keep well separated from alkalies.

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
1-NAPTHOL	90-15-3	>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 reduce dust concentrations to a minimum.
Hand Protection Wear gloves.
Eye Protection Use safety glasses with side shields.
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 Light Brown Flakes.
Odour Fresh and characteristic of phenol.
pH Not applicable
Boiling Point 278°C
Melting Point 94°C
Flash Point 125°C (Closed cup)
Upper Flammable Limit Not applicable
Lower Flammable Limit Not applicable
Auto Ignition Not applicable
Explosive Properties No data available.
Oxidising Properties No data available.
Vapour Pressure Not applicable
Relative Density Not available
Water Solubility Practically insoluble in water.

9.2 Other information

No data available.

Section 10. Stability & Reactivity

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| 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, strong bases |
| 10.6 | Hazardous Decomposition Products | Burning will produce smoke, carbon monoxide and/or carbon dioxide. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

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| Eyes | Severe eye irritant. |
| Skin | Sustained contact of a few hours will produce severe irritation and possibly chemical skin burns. |
| LD50 Skin | 880mg/kg Rabbit |
| Ingestion | Harmful if swallowed. |
| LD50 Oral | 1870mg/kg Rat |
| Inhalation | May be harmful if inhaled. |
| LD50 Inhalation | Not available |
| TCLo | Not available |
| Carcinogenicity | Not considered to be a carcinogen. |
| Mutagenicity | Not considered to be a mutagen. |
| Reproductive Effects | No data available. |

Section 12. Ecological

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| 12.1 | Toxicity | Toxic to aquatic life. |
| | LC50 Algal | Not available |
| | LC50 Crustacea | Not available |
| | LC50 Fish | 4.33mg/kg Fathead minnow (<i>Pimephales promelas</i>) (48 hours) |
| 12.2 | Persistence and degradability | No data available. |
| 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

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| Disposal Methods | Dispose of in a licensed incinerator. |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer. |

Section 14. Transport Information

14.1 UN Number	2811
14.2 Proper Shipping Name	Toxic solid, organic, N.O.S. (1-Naphthol)
14.3 Transport classes	
UN classification	6.1
Subsidiary hazard(s)	None
Transport category	2
ADR Hazard ID	60
Tunnel Restriction Code	E
14.4 Packing Group	III
14.5 Environment hazards	See section 12.
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 Acute toxicity, category 4 (oral); Skin corrosion/irritation, category 2; Acute toxicity, category 4 (dermal); Serious eye damage/irritation, category 1; Spec target organ tox - single, category 3

Signal word Danger

Hazard Pictograms



Hazard Statements H302, H311, H315, H318, H335
Harmful if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

Hazard Statements (Packs of 100ml/g or less) H335, H318, H315, H302, H311
May cause respiratory irritation. Causes serious eye damage. Causes skin irritation. Harmful if swallowed. Toxic in contact with skin.

Precautionary Statements P280, P264, P305+P351+P338, P301+P312, P330
Wear protective gloves / protective clothing / eye protection. Wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Precautionary Statements (Packs of 100ml/g or less) P280, P264
Wear protective gloves / protective clothing / eye protection. Wash thoroughly after handling.

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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