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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: α-NaphtholArticle No.: 115364,115369Brand: Thomas BakerCAS Number: 90-15-3

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company Name: Thomas Baker (Chemicals) Pvt. Ltd. B3 & B4, MIDC, Chemical Zone, Ambernath 421501. Dist: Thane, India.

1.4 Emergency telephone

Emergency Phone # : +91 9307304329

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 Acute toxicity, Oral (Category 4), H302 Acute toxicity, Dermal (Category 3), H311 Skin irritation (Category 2), H315 Serious eye damage (Category 1), H318 Skin sensitization (Sub-category 1A), H317 Specific target organ toxicity - single exposure, Oral (Category 2), Kidney, H371 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335 Short-term (acute) aquatic hazard (Category 1), H400 Long-term (chronic) aquatic hazard (Category 3), H412

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 Pictogram





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Signal Word	Danger	
Hazard statement(s)	8	
H302	Harmful if swallowed.	
H311	Toxic in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H335	May cause respiratory irritation.	
H371	May cause damage to organs (Kidney) if swallowed.	
H410	Very toxic to aquatic life with long lasting effects.	
Precautionary statement(s)		
P273	Avoid release to the environment.	
P280	Wear protective gloves/ protective clothing/ eye protection/ face	
D001 D010	protection.	
P301 + P312	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.	
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/	
D205 D251 D220	doctor if you feel unwell.	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes.	
	Remove contact lenses, if present and easy to do. Continue rinsing.	
P308 + P311	IF exposed or concerned: Call a POISON CENTER/ doctor.	
Supplemental Hazard		
Statements	none	
Reduced Labeling (<= 125 ml)		
Pictogram		



Signal Word	Danger
Hazard statement(s)	
H311	Toxic in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.



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Precautionary statement(s) P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements	none

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

PRECAUTIONARY STATEMENTS

Harmful.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	: 90-15-3
EC No.	: 201-969-4
MF	: C ₁₀ H ₇ .OH
M.W.	: 144.17 gm/mol

Component	Classification	Concentration
1-Naphthyl alcohol		
CAS-No. EC-No. Index-No. 90-	Acute Tox. 4; Acute Tox. 3; Skin	<= 100 %
15-3 201-969-4	Irrit. 2; Eye Dam. 1; Skin Sens.	
	1A; STOT SE 2; STOT SE 3;	
	Aquatic Acute 1; Aquatic Chronic	
	3; H302, H311, H315, H318,	
	H317, H371, H335, H400, H412	
	M-Factor - Aquatic Acute: 1	

SYNONYMS

I-Naphthol, 1-hydroxynaphthalene.



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SECTION 4. FIRST-AID MEASURES

4.1 Description of first-aid measures

General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor In attendance.

If inhaled

After inhalation: fresh air. Call in physician.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with Water/ shower. Call a physician immediately.

In case of eye contact

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist.

Remove contact lenses.

If swallowed

After swallowing: Wash out mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.



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5.2 Special hazards arising from the substance or mixture

Carbon oxides Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Advice on safe handling
Handle under argon
Hygiene measures
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.



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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Store in a cool, dry ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Air and light sensitive. Store under argon.

Storage class

Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374

Body Protection

protective clothing

Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following tandards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P3

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.



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Control of environmental exposure

Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

AND CHEWICAL I KOI EKTIES		
9.1 Information on basic physical and chemical properties		
solid		
No data available		
No data available		
Melting point/range: 94 - 96 °C - lit.		
278 - 280 °C - lit.		
No data available		
Upper explosion limit: 5 %(V)		
Lower explosion limit: 0,8 %(V)		
125 °C - closed cup		
No data available		
No data available		
No data available		
Viscosity, kinematic: No data available		
Viscosity, dynamic: No data available		
No data available		
log Pow: 2,85 - Bioaccumulation is not expected.		
2,3 hPa at 100 °C		
1,28 g/cm3 at 20 °C		
1,27 at 20 °C - OECD Test Guideline 109		
No data available		



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s) Explosive properties No data availablet) Oxidizing properties none

9.2 Other safety information

Surface tension ca.0,06 N/m at 1g/l at 20,3 °C - OECD Test Guideline 115

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3 Possibility of hazardous reactions

Exothermic reaction with: Strong oxidizing agents Violent reactions possible with: strong alkalis Acid chlorides Acid anhydrides

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

In the event of fire: see section 5



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SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity LD50 Oral - Mouse - male and female - 1.000 - 2.000 mg/kg Remarks: (ECHA) LD50 Dermal - Rabbit - male - >= 880 mg/kg Remarks: (ECHA) Acute toxicity estimate Dermal - 880 mg/kg (Calculation method) Skin corrosion/irritation Causes skin irritation. Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Serious eye damage/eye irritation Eyes - Chicken eye Result: Causes serious eye damage. - 10 s (OECD Test Guideline 438) Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) **Respiratory or skin sensitization** Local lymph node assay (LLNA) – Mouse **Result:** positive (OECD Test Guideline 429) Germ cell mutagenicity In vitro mammalian cell gene mutation test mouse lymphoma cells **Result:** positive Ames test Escherichia coli/Salmonella typhimurium Result: negative Chromosome aberration test in vitro Chinese hamster ovary cells **Result:** positive **OECD** Test Guideline 486 Rat - male - Liver cells **Result:** negative



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OECD Test Guideline 474 Mouse - male - Bone marrow **Result:** negative Carcinogenicity No data available **Reproductive toxicity** No data available Specific target organ toxicity - single exposure Inhalation - May cause respiratory irritation. Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2) Oral - May cause damage to organs. - Kidney Specific target organ toxicity - repeated exposure No data available **Aspiration hazard** No data available

11.2 Additional Information Endocrine disrupting properties Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male and female - Oral - 90 Days - NOAEL (No observed adverse effect level) - 130 mg/kg - LOAEL (Lowest observed adverse effect level) - 400 mg/kg RTECS: OL2800000

Cough, Shortness of breath, Headache, Nausea, Vomiting To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.



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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill) - 0,76 mg/l - 96 h
	Remarks: (ECOTOX Database)
Toxicity to daphnia and other aquatic	static test EC50 - Daphnia magna (Water flea) - 2,51 mg/l - 48 h
invertebrates	(OECD Test Guideline 202)
Toxicity to algae	static test ErC50 - Pseudokirchneriella subcapitata - > 2,18 mg/l -
	72 h
	(OECD Test Guideline 201)

12.2 Persistence and degradability

Biodegradability	aerobic - Exposure time 29 d
	Result: 77,8 % - Readily biodegradable.
	(OECD Test Guideline 301B)
Theoretical oxygen	
Demand	2,55 mg/l
	Remarks: (Lit.)
Ratio BOD/ThBOD	60 %
	Remarks: (Lit.)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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12.6 Endocrine disrupting properties Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Observe all federal state and local environmental regulation

SECTION 14. TRANSPORT INFORMATION

14.1 UN number ADR/RID: 2811 IMDG: 2811 IATA: 2811

14.2 UN proper shipping name

ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (1-Naphthyl alcohol) IMDG: TOXIC SOLID, ORGANIC, N.O.S. (1-Naphthyl alcohol) IATA: Toxic solid, organic, n.o.s. (1-Naphthyl alcohol)

14.3 Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

14.4 Packaging group ADR/RID: III IMDG: III IATA: III

14.5 Environmental hazards ADR/RID: yes IMDG Marine pollutant: yes IATA: no

14.6 Special precautions for user No data available



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SECTION 15. REGULATORY INFORMATION

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : ENVIRONMENTAL HAZARDS

Other regulations

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.

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

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out



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SECTION 16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H371 May cause damage to organs (/\$/*_2ORG_SING_ORA/\$/) if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

FOR THOMAS BAKER (CHEMICALS) PVT. LTD.



AUTHORISED SIGNATORY.

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