

HINDUSTAN POLYAMIDES AND FIBRES LTD.
MATERIAL SAFETY DATA SHEET

H A M B E R

01 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name : HAMBER

Intended use : Perfumery Ingredient

Company : Hindustan Polyamides and Fibres Limited (HPFL)
1004, Peninsula Towers, 10 th Floor,
Peninsula Corporate Park, G.K. Marg,
Lower Parel, Mumbai-400013, India
Tel : 91-22-66513400 ; Fax : 91-22-66513434

02 - HAZARDS IDENTIFICATION

General : Prolonged or repeated contact with skin and eyes by inhalation may cause irritation.

Hazard Symbol : N, Dangerous to the environment
Xi, Irritant

Risk Phrase : R 36/37/38, Irritant to Eyes, respiratory system and skin
R51/53, Toxic to aquatic organisms, may cause long term adverse effect in the aquatic environment.

Environment : When Spilled, can contaminate soil, ground and surface waters.

03 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name : 7-Acetyl, 1,2,3,4,5,6,7,8-Octahydro, 1,1,6,7-tetra Methyl Naphthalene.

Synonyms : Boisvelone OR Orbitone OR Iso Velvetone OR Iso-E-Super OR Patchouli Ethanone OR 1,2,3,4,5,6,7,8-Octahydro, 2,3,8,8-Tetramethyl, 2-Naphthyl Ethanone OR Iso Abmer Super OR Amber fleur OR Anthamber OR Derambrene OR Dimethyl Myrcetone OR Orbitone

Formula : C₁₆H₂₆O

Molecular weight : 234.4

CAS Number : 54464-57-2

EINECS/ELINCS No.: 259-174-3

HS Code : 2914.29.00

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04 -FIRST-AID MEASURES

- Inhalation : Remove to fresh air. Obtain medical advise if required
- Eye Exposure : Flush immediately with water for at least 15 minutes. Seek medical advise if irritation persists.
- Skin Exposure : Remove contaminated clothing. Wash the exposed area with water and soap. Seek medical advise if symptoms persist.
- Ingestion : Rinse mouth with water and seek medical advise. Do not induce vomiting.
- Others :Take Risk and Safety Phrases in account- Section 15.

05 -FIRE-FIGHTING MEASURES

- Extinguishing Media : Carbon dioxide, Dry Chemical, foam. Do not use direct water jet on burning material.
- Unusual Fire/Explosion Hazards :
Toxic Gases (Carbon dioxide, carbon monoxide and acrid fumes) are released on burning. Closed containers will build pressure at elevated temperatures. During such condition, keep containers cooled with water spray.

06 -ACCIDENTAL RELEASE MEASURES

- Personal Precautions : Avoid inhalation and contact with skin and eyes. A self contained breathing apparatus is recommended in case of major spillages. Remove ignition sources, Provide ventilation. Contain large spills with sand or inert adsorbent material and dispose according to local regulations.
- Environmental Precautions
: Keep away from drains, surface and ground water and soil.

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07 -HANDLING AND STORAGE

- Handling : Follow good manufacturing and industrial hygiene practices. Use Safety Goggles and other safety measures while handling the material
- Storage : Store in a cool, dry and well ventilated place away from heat source. Store in tightly closed containers.
- Fire protection : Keep away from source of ignition and naked flame.

08 -EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure limits:

EU OEL 8 h (mg/m³) : Not determined

EU STEL 15 mn (mg/m³) : Not determined

Respiratory protection: Avoid inhalation of vapors. Use in well ventilated area.

Hand protection : The use of chemical resistant gloves recommended

Eye protection : Use safety goggles while handling the material.

Skin protection : Avoid contact with the skin

Ventilation : Provide adequate ventilation. Use local exhaust if necessary.

09 -PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Liquid
- Colour : Colourless to pale yellow
- Odour : Woody, Floral, Ambergris
- Boiling point (°C) : 230 at 760 mm Hg.
113 at 5 mm Hg,
- Flash point (°C) : 111 (CLOSED CUP)
- Vapor pressure (hPa) : 0.0027 at 20°C
- Specific gravity (25/25 °C) : 0.9650
- Water solubility (mg/L) : 2.000 at 20°C
- Partition coeff. (log Pow) : 5.7 OECD 117

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10 -STABILITY AND REACTIVITY

Stability & reactivity	:No significant hazard, by itself or in contact with water. Avoid contact with strong acids, alkaline and oxidizing agents.
Decomposition	:Carbon dioxide, Carbon Monoxide and unidentified organic compounds may form during combustion.

11 -TOXICOLOGICAL INFORMATION (Lit .Ref.- RIFM not available)

Not regulated for specific Health hazard (EEC directive 92/2/EC)

Oral LD ₅₀	: Rat – >5000 mg/kg
Dermal LD ₅₀	: Rabbit - >5000 mg/kg
Skin Irritation	: No irritation : Rabbit, 24 hrs, 100 % undiluted
Skin Sensitization	: No sensitisation (Human Max test, 13.0 %, in EtOH) No sensitisation (Guinea Pig)
Mutagenicity	: Not Mutagenic (AMES test)
Phototoxicity	: Negative

12 -ECOLOGICAL INFORMATION

Not Regulated for Environmental hazard

LC ₅₀ for Fish	: 1.300 mg/l, 96 h, OECD 203
LC ₅₀ Algae	: >2.600 mg/l, 24 h, OECD 201
EC ₅₀ Daphnia	: 1.380 mg/l, 48 h , OECD 202
Biodegradability	: Not determined OECD 301F 28d

13 -DISPOSAL CONSIDERATIONS

Dispose according to local regulations. Avoid disposing into drainage systems and into environment.

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14 -TRANSPORT INFORMATION

	CLASS	UN/ID NUMBER	PACKING GROUP
RID/ADR	9	3082	III
IMDG	Not restricted		
ICAO/IATA	Not restricted		

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(HAMBER)

15 -REGULATORY INFORMATION

Label	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HAMBER)
N	Dangerous for the environment
Xi	Irritant
R 35/36/37	Irritant to Eyes, respiratory system and skin
R51/53	Toxic to aquatic organisms, may cause long term adverse effect in the aquatic environment
S61	Avoid release to the environment
EINECS/ELINCS	: 259-174-3

16 -OTHER INFORMATION

Water endangering class (WGK): 2 (Hazardous to water)

NFPA rating :Health – 2 Flammability- 1 Reactivity - 0

This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

DISCLAIMER :

The information and recommendation contained in this data sheet represent, to the best of HPFL's knowledge and belief, an accurate and reliable representation as to the known data for this material. The data have been obtained from literature and or referred from other sources available and HPFL cannot guarantee their accuracy, reliability and completeness nor can HPFL assume any liability for any loss or damage arising out of the use of these data. It is the user's responsibility to evaluate this information in a prudent manner and to use it in a manner that is consistent for its particular purpose.