

HINDUSTAN POLYAMIDES AND FIBRES LTD.

MATERIAL SAFETY DATA SHEET

BENZYL SALICYLATE

01 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name : BENZYL SALICYLATE

Intended use : Perfumery and Flavor 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
[E-mail- salomi@hpfl-india.com](mailto:salomi@hpfl-india.com)

02 - HAZARDS IDENTIFICATION

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

Hazard Symbol : N, Dangerous to the environment

Risk Phrase : R43, May cause sensitisation by skin contact

Environment : When Spilled, can contaminate soil, ground and surface waters. Toxic for aquatic organisms.

03 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name : Benzyl 2-Hydroxybenzoate

Synonyms : Benzyl o-Hydroxybenzoate OR
2-Hydroxybenzoic acid Phenyl methyl ester OR
Salicylic Acid Benzyl ester.

Formula : C₁₄H₁₂O₃

Molecular weight : 228.24

CAS Number : 118-58-1

EINECS/ELINCS No.: 204-262-9

FEMA : 2151

FDA Reg. : 172.515

CoE No. : 436

Felvis No. : 09.752

HS Code : 2918.23.90.00

MITI (Japan) : 3 - 1570 & 3044

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04 -FIRST-AID MEASURES

- Inhalation : Remove to fresh air. Obtain medical advise if required
- Eye Exposure : Flush immediatly 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 may solidify below 23.5°C
- Colour : Colourless
- Odour : Faint, sweet, floral, slightly balsamic.
- Boiling point (°C) : 300 at 760 mm Hg,
168 - 170 at 5 mm Hg
- Melting point (°C) : 23.5

(Material shows supercooling and so can remain as a liquid even at temperature lower than 23.5°C)

- Flash point (°C) : >100 (CLOSED CUP)
- Auto-ignition temp. (°C) : >450
- Vapor pressure (hPa) : 0.0013 at 20°C

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Specific gravity (25/25 °C)	: 1.178	
	Temp.	Density
	(deg.cels.)	(gm/cm ³)
	100	1.1140
	90	1.1220
	80	1.1300
	70	1.1380
	60	1.1460
	50	1.1540
	40	1.1620
	30	1.170
Water solubility (mg/L)	: 7.000 at 20°C	
Partition coeff. (log Pow)	: 4.80	OECD 117
Kinematic Viscosity (cSt)	: 6.40 at 59°C	

10 -STABILITY AND REACTIVITY

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

11 -TOXICOLOGICAL INFORMATION (Lit.Ref.-RIFM fct 11, p1029 (1973))

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

Oral LD ₅₀	: Rat – 2227 mg/kg
Dermal LD ₅₀	: Rabbit - 14150 mg/kg
Skin Irritation	: No irritation : Rabbit, 24 hrs, 100 % undiluted : No irritation – Human, 48 hrs, 4 % Petrolatum
Skin Sensitization	: No sensitisation (Human Max test, 30 %, in Petrolatum) Sensitising in animal (GPMT test Guinea pig)
Photo toxicity	: Negative Test: Photo toxicity on Guinea pig
Mutagenicity	: Not mutagenic (AMES test)

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Carcinogenicity : Not carcinogenic (AMES test)

12 -ECOLOGICAL INFORMATION

Not Regulated for Environmental hazard

LC₅₀ for Fish : 1.03 mg/l, 96 h,
EC₅₀ for Daphnia : 1.70 mg/l , 48 h,
LC₅₀ Algae : 1.70 mg/l, 24 h,
Biodegradability : Readily biodegradable (OECD 301 F)

13 -DISPOSAL CONSIDERATIONS

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

14 -TRANSPORT INFORMATION

	CLASS	UN/ID NUMBER	PACKING GROUP
RID/ADR	9	3082	III
IMDG	9	3082	III
ICAO/IATA	9	3082	III

Proper shipping name :

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
BENZYL SALICYLATE

15 -REGULATORY INFORMATION

Label ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (BENZYL SALICYLATE)

Xi Irritant
N Dangerous to the environment
R 43 May cause sensitization by skin contact
R 51/53 Toxic to aquatic organisms may cause long term
adverse effects in the aquatic environment.

S 24 Avoid skin contact
S 37 Wear suitable gloves

EINECS/ELINCS : 204-262-9

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16 -OTHER INFORMATION

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

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

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

DISCLAIMER :

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