

HINDUSTAN POLYAMIDES AND FIBRES LTD.

MATERIAL SAFETY DATA SHEET

STYRALLYL ACETATE

01 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name : STYRALLYL ACETATE

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
salomi@hpfl-india.com

02 - HAZARDS IDENTIFICATION

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

Hazard Symbol : None

Risk Phrase : None

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

03 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name : 1- Phenyl Ethyl Acetate

Synonyms : alpha-Phenyl Ethyl Acetate OR
Phenyl Methyl Carbinyl Acetate OR
alpha-Methyl Benzyl Acetate OR
Methyl Phenyl Carbinyl Acetate OR
Gardenol OR Gardenia

Formula : C₁₀H₁₂O₂

Molecular weight : 164.20

CAS Number : 93-92-5

EINECS/ELINCS No.: 202-288-5

FEMA : 2684

FDA Reg. : 172.515

CoE No. : 573

Flavis No. : 09.178

JECFA No. : 801

HS Code : 2915.39.90

HINDUSTAN POLYAMIDES AND FIBRES LTD.

MATERIAL SAFETY DATA SHEET

STYRALLYL ACETATE

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.

HINDUSTAN POLYAMIDES AND FIBRES LTD.
MATERIAL SAFETY DATA SHEET

STYRALLYL ACETATE

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
- Odour : Green, Fruity, Floral, Fresh, Gardenia Musty
- Taste : Sweet, Woody
- Boiling point (°C) : 213 at 760 mm Hg,
94 -95 at 12 mm Hg
- Flash point (°C) : 95 (CLOSED CUP)

HINDUSTAN POLYAMIDES AND FIBRES LTD.

MATERIAL SAFETY DATA SHEET

STYRALLYL ACETATE

Vapor pressure (hPa) : 0.1333 at 20°C
Specific gravity (25/25 °C) : 1.024
Water solubility (mg/L) : 1218.000 at 20°C
Partition coeff. (log Pow) : 2.5 OECD 117

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 fct 14, p 611 (1976) No.178)

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

Oral LD₅₀ : Rat – >5000 mg/kg
Dermal LD₅₀ : Rabbit - >8000 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, 4.0 %, in PTLTM)
Carcinogenicity : Per OSHA, IARC, NTP, ACGIH, OEHHA-Prop 65,
RTECS : No
Reproductive toxin : Per OSHA, IARC, NTP, ACGIH, OEHHA-Prop 65,
RTECS : No

12 -ECOLOGICAL INFORMATION

Not Regulated for Environmental hazard

LC₅₀ for Fish : 21.00 mg/l, 96 h, OECD 2003
EC₅₀ for Bacteria : 729.00 mg/l, OECD 209 / ISO 8192
LC₅₀ Algae : 65.00 mg/l, 24 h, 92/69/EC
Biodegradability : Readily biodegradable OECD 301F 28d

HINDUSTAN POLYAMIDES AND FIBRES LTD.

MATERIAL SAFETY DATA SHEET

STYRALLYL ACETATE

13 -DISPOSAL CONSIDERATIONS

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

14 -TRANSPORT INFORMATION

RID/ADR Not restricted
IMDG Not restricted
ICAO/IATA Not restricted

15 -REGULATORY INFORMATION

Label STYRALLYL ACETATE
EINECS/ELINCS : 202-288-5

16 -OTHER INFORMATION

Water endangering class (WGK): 1 (Slightly hazardous to water)

NFPA rating :Health – 1 Flammability- 2 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.