

MSDS

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MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Preparation: Peru Balsam.

Company: J. Raul Rivera S.A., 4a Avenida Sur, 3-2 Santa Tecla, La Libertad El Salvador, C.A.

Emergency Tel: (503) 2228-0392

E-Mail:

Roberto Rivera

rivera@riverabalsam.com

2. HAZARDS IDENTIFICATION.

According to EU Directive 67/548/EEC:

Hanmful Xn. Dangerous for the environment N.

Consists of mixture of chemicals including benzyl benzoate, benzyl cinnamate, benzoic acid, cinnamic acid. vanillin etc.

According to EFFA CoP (2007):Att III ('split of NCS):

Benzyl benzoate 45% Xn, R22

Benzyl cinnamate 5% Xn, R22; N, R51/53

Benzyl alcohol 3% Xn, R20/22

Nerolidol 2% N, R50/53

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Definition:

Peru

balsam is obtained from the scorched & wounded trunk of *Myroxylon pereirae* (Royle) Klotzsch syn. *Myroxylon balsamum* (L.) Harms var. *pereirae* (Royale) Harms.

Tariff No: 3301.30 00 0

CAS No: 8000-00-9

EC No: 232-352-8

EINECS-CAS No : 8000-00-9

FEMA: 2116 GRAS

FDA: §182.20

CoE No: 298

IFRA: Peru balsam exudates restricted.

Peru

balsam extracts & distillates (oil, absolute & anhydrol) are restricted under IFRA 42nd Amendment; limits in the finished product are posted on the IFRA website.

EU Regulation: Annex II/1136 of Directive 2008/42/EC

FCC V: official (oil only)

DSL status: approved

Pharmacopoeias: official in Eu Pharm 5.0; BP 2007, DAB 7, OAP 9

TSCA: TSCA 8(b). Inventory: Peruvian balsam.

4. FIRST-AID MEASURES:

Inhalation: Remove from site of exposure into the fresh air. Keep at rest. Obtain medical attention.

Eye contact: Rinse immediately with plenty of water for at least 15 mins. Contact doctor if symptoms persist

Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap & water, flushing copiously with plenty of water. If irritation persists, seek medical advice.

Ingestion: Rinse out mouth with water. Seek medical advice immediately.

Other: When assessing measures to be taken, consult any Risk & Safety Phrases (Section 15)

5. FIRE FIGHTING MEASURES.

Extinguishing media recommended: Use CO₂, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

Special measures: Avoid inhalation of vapour. Keep away from ignition sources and do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

Extinguishing procedures: Beware of closed containers which may build up pressure when exposed to heat. Cool with water spray.

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions: Avoid inhalation & direct contact with skin & eyes. in case of major spillages. use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing). Environment precautions: Keep away from drains, soils, and groundwaters and surface waters.

Cleaning up methods for spillages: Keep away all the potential sources of ignition. Physically contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

Precautions in handling: Apply best manufacturing practice & approved industrial hygiene practices. Maintain proper ventilation over storage area. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

Storage conditions: Store well topped-up, in tightly closed original container, in a cool, dark, dry & ventilated area, away from heat sources. Minimise air contact.

Fire protection: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges (by earthing containers etc.) in working area whilst pouring.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

Respiratory protection: Avoid breathing product vapour. Apply local ventilation where possible.

Ventilation: Ensure good ventilation of working area.

Hand protection: Avoid all skin contact. Use appropriate chemically resistant gloves & protective clothing.

Eye protection: Use goggles or a face shield.

Work/Hygiene practices:

Wash

hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

Appearance & odour: Dark brown viscous liquid soluble in ethanol and miscible with castor oil. Odour is pleasant, balsamic/vanillic

Flash-point (c/c) C: >100

Boiling point C: 314

Ebullition point C: 305

Acid No: 56 to 84

Specific gravity @20C: 1.14 to 1.17

Vapour pressure hPa (C): ND

Explosivity Limits v/v: ND

Auto flammability temperature C: ND

10. STABILITY & REACTIVITY.

Reactivity: The material presents no significant reactivity hazards by itself, or in contact with water. Hazardous polymerization will not occur with this product. Avoid contact with strong acids, alkalis or oxidising agents.

Decomposition: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION.

Acute LD50 (orl, rt): > 5g/Kg FCT (1974) 12, p951-2

Dermal LD50 (skn, rbt): > 10g/Kg. FCT (1974) 12, p951-2

Irritation: found non-irritating to humans at 8% in petrolatum FCT (1974) 12, p951-2.

Sensitisation: 7 sensitisation reactions in 25 human volunteers in a maximization test using 8% PB in petrolatum (Kligman, 1971). Peru balsam (8%) also tested by repeated insult patch test procedure (Shelanski & Shelanski, 1953), using 15 24-hr exposures in 50 human subjects, without producing sensitization reactions (Shelanski, 1971) - see FCT (1974) 12, p951-2. Using weight of evidence, PB is now more generally considered a skin & eye irritant & a mild allergen/common sensitizer, can cause contact dermatitis, & can cross react with styrax resinoid, benzyl alcohol, essential oils etc.

Inhalation LC50: ND

Carcinogenic effects: ND.

Mutagenic effects: ND

Teratogenic effects: ND
Reproductive toxicology: ND.
Threshold Limit Value (ACGIF TLV): ND

Threshold Limit Value (OSHA PEL): ND

12. ECOLOGICAL INFORMATION.

Biodegradability: Data not available

Precautions: Prevent surface contamination of soil, ground & surface waters.

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to local drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS. Not regulated

Road (ADR/RID):

Air (IATA):

Sea (IMDG):

15. REGULATORY INFORMATION - According to EU Directive 88/379/EEC.

Hazards: Harmful; Dangerous for the environment

Symbols: Xn, N

Risk Phrases:

R2: Keep out of reach of children

R36/38: Irritating to eyes & skin.

R43: May cause sensitisation by skin contact

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects to aquatic environment.

Safety Phrases:

S24: Avoid contact with skin

S37: Wear suitable gloves

S46 If swallowed, seek medical advice immediately and show this contact or label.

S61: Avoid release into the environment. Refer to special instructions/safety data sheet.

16. OTHER INFORMATION.

COMERCIALIZATION

El Salvador

: The Superior Council of Public Health of the

Republic
of
El Salvador

considers this commodity as a product of free sale, without any restriction.

WARNING

The information and recommendation contained in the safety data sheet is compiled from our general experience and data obtained from different sources. We cannot guarantee their accuracy, reliability nor totality, as well as we can neither assume responsibility for any loss nor damage caused by the use of them. It is the user's responsibility to evaluate the information. The responsibility for the adoption of appropriate safety precautions rest solely with the user.
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