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MATERIAL SAFETY DATA SHEET.

PRODUCT: CEDRYL ACETATE LIQ. CHINA
REVISION DATE: 07/11/2007
EMISSION DATE: 11/03/2010
Nº Revision: 3

1. IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY.

1.1 Identification of the substance.
CEDRYL ACETATE LIQ. CHINA
Nº registry:

1.2 Use of the substance.
This material is only used as an ingredient in the manufacturing of aromatic bases.

1.3 Company identification:
LLUCH ESSENCE, SL
C/LO GAITER, 160
08820 EL PRAT DE LLOBREGAT
Telephone : (0) 93 379 38 49 Fax : (0) 93 478 27 54
e-mail : seg@lluche.com

1.4 Emergency Telephone: +34 (0) 93 379 38 49
Timetable : Monday to Thursday: 8.00 h to 17.15 h , Friday: 8.00h to 15.00h (winter)
Monday to Friday: 8.00 h to 15.00 h (summer)

2. HAZARD IDENTIFICATION

2.1 Human hazardous : In his pure state, and when it is not correctly manipulated or when inhaled excessively, product can cause irritation of the skin, eyes and respiratory tracks.
2.2 Environment hazardous : if liked, product can pollute subsoil, soil and superficial water.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 CHEMICAL INFORMATION: 3R-octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl acetate
3.2 Nº CAS: 77-54-3
3.3 Nº EINECS: 201-036-1
3.4 FEMA: 4271
3.5 Nº CEE: --
3.6 MOLECULAR FORMULA: C17 H28 O2
3.7 MOLECULAR WEIGHT: 264

4. FIRST AID MEASURES.

Inhalation In case of excessive inhalation, expose the person to fresh air and if necessary, obtain medical assistance.
Symptoms: Choking, drowsiness, respiratory disruptions

Eye contact Immediately rinse eyes with water. If any sign of tissue damage or persistent irritation is apparent, obtain medical assistance immediately.
Symptoms: irritation, reddening.

Skin contact Remove contaminated clothing. Wash skin immediately with water and soap. If any sign of tissue damage or persistent irritation is apparent obtain medical assistance immediately.
Symptoms: irritation, stinging.

Ingestion Rinse mouth with water. Obtain medical assistance immediately. Do not induce vomiting.
Symptoms: queasiness, stomach aches

5. FIRE-FIGHTING MEASURES.

Ways of extinction : CO2, extinction powder or foam.
Do not use: water directly.

Individual protection equipments : use general extinction equipments for fire fighting and use breathing equipment. Avoid inhalation of fumes and vapours.

Dangers : Do not allow that the spilling of the fire extinction of fire flows into drain or water .
High temperatures can provoke high pressures inside the closed packages.
o not breath fumes or vapours.

6. ACCIDENTAL RELEASE MEASURES.

6.1. Personal precautions:

Remove all sources of ignition.
In case of existing, avoid breathing combustion vapours.
Provide proper ventilation. Avoid breathing vapours.
Avoid the contact with the skin, eyes and mucous.
See sections 8 and 13.

6.2. Environmental precautions:

Spillages should be contained by use of sand or another inert material.
Avoid penetration in the sewage system and surface water.

6.3. Methods for cleaning:

Spillages should be contained by use of sand or another inert material
All the materials used for cleaning spillages should be disposed of promptly in accordance with current legislation.

7. HANDLING AND STORAGE.

7.1. Handling:

Apply according to good manufacturing and industrial hygiene practices.
Respect good personal hygiene practices. Do not drink, eat or smoke during manipulation.
Respect the precaution rules of the industrial risks.
Keep away from sources of ignition.
The incorporation to the finished product must be done at the lowest possible temperature.
Ensure good ventilation of work station

7.2. Storage:

Store according to the local and/or national storage rules, respecting the precautions printed on the labels. Store in hermetic recipients, belter full, in cool, dry and ventilated areas away from heat sources and protected from light. Keep air contact to a minimum. Keep away from sources of ignition and flames
Fulfil the chemical agent storage regulation.
Do not store this product near any kind of food , or drinkable water.

7.3. Specific use(s):

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

8.1. Exposure limit values

Exposure limit biological :

8.2. Exposure controls :

8.2.1. Occupational exposure controls

8.2.1.1. Respiratory protection: Avoid breathing directly on the product. Apply local ventilation when appropriate.

8.2.1.2. Hand protection: Use chemical resistant gloves

8.2.1.3. Eye protection: Use safety glasses

8.2.1.4. Skin protection: Avoid skin contact

8.2.2. Environment exposure control: Avoid discharging into drainage water. Only eliminate by authorized companies.

9. PHYSICAL AND CHEMICAL PROPERTIES.

9.1 General information:

Appearance: LIQUID

Odour: WOODY-EARTHY

Colour: YELLOW

9.2 Important health, safety and environment information:

pH:

Boiling point/Boiling range: --

Flash point: >100ºC

Flammability(solid, gas):

Explosive properties:

Oxidising properties:

Vapour pressure:

Relative density:

Solubility:

Water solubility:

Partion coeff. (n-octanol/water) :

Viscosity:

Vapour density:

Evaporation rate:

9.3 Other information:

10. STABILITY AND REACTIVITY.

Stable under normal conditions

10.1 Conditions to avoid: High temperatures, pressure and inadequate manipulation of packages.

10.2 Materials to avoid: Acid, alkaline and oxidizing agents

10.3 Hazardous decomposition products: Under normal conditions of storage are not known dangerous substances in decomposition.

11. TOXICOLOGICAL INFORMATION.

Toxicokinetics, metalbolism and distribution:
Acutte effects (acute toxicity, irritation and corrosivity):
Sensitisation:
Repeated dose toxicity: LD50 ORAL RAT: >5000 mg/Kg
LD50 DERMAL RABBIT: 5000 mg/Kg
CMR Effects(carcinogenity, mutagenicity and toxicity for reproduction):

12. ECOLOGICAL INFORMATION.

12.1 ECOTOXICIY:
12.2 MOBILITY:
12.3 PERSISTENCE AND DEGRADABILITY:
12.4 BIOACCUMULATIVE POTENTIAL:
12.5 RESULTS OF PBT ASSESSMENT:
12.6 OTHER ADVERSE EFFECTS:

13. DISPOSAL CONSIDERATIONS.

Respect the local or national norms about elimination of residues and packages Appropriate elimination method : whenever possible, it is better to recycle than deposing or incinerating.

14. TRANSPORT INFORMATION.

- **ONU NUMBER** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S

ADR **Class:** 9
Pack group: III
Other information:
IMDG **Class:** 9
Pack group: III
Other information:
IATA **Class:** 9
Pack group: III
Other information:
Marine Pollutant:

15. REGULATORY INFORMATION.

HAZARD SYMBOLS:

N

R PHRASES:

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S PHRASES:

S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. OTHER INFORMATION.

The information contained in the present MSDS, according to regulation 1907/2006, is based on our knowledge and experience at the moment of publishing it. This document tries to give information about the correct use, storage and transport.
Bearing in mind that the use of this information and the conditions of use of the product are not under control of LLUCH ESSENCE SL., the correct manipulation and use of the product will be of the responsibility of the user.
The fulfilment of the conditions indicated in this present MSDS does not exempt the user from all legal normative.