

SAFETY DATA SHEET

Page 1

REJUVINATOR EC128

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Revision No: 1

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: REJUVINATOR EC128

Product code: EC128

Use / description of product: Liquid. Flammable, harmful. The regulatory information is dependent upon the concentration limit of the specific substance.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient 1: 2-BUTOXYETHANOL 10-30%

CAS: 111-76-2

EINECS: 203-905-0

[Xn] R20/21/22; [Xi] R36/38;

Ingredient 2: ISOPROPYLAMINE DODECYLBENZENE SULPHONATE <10%

CAS: 26264-05-1

[Xi] R38; [Xi] R41;

Ingredient 3: XYLENE 30-60%

CAS: 1330-20-7

EINECS: 215-535-7

[-] R10; [Xn] R20/21; [Xi] R38;

Ingredient 4: 1,2,4-TRIMETHYLBENZENE 10-30%

CAS: 95-63-6

EINECS: 202-436-9

[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53;

Ingredient 5: LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 30-60%

CAS: 64742-95-6

EINECS: 265-199-0

[T] R45; [F+] R12; [Xi] R38; [N] R51/53; [Xn] R65;

Contains: Xylene Mixture Of Isomers

Benzene cas no 71-43-2 will normally be present in trace amounts, but will always be less than the 0.1 w/w marker level in the 21st ATP to the dangerous substance directive.

[cont...]

REJUVINATOR EC128

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. Irritating to skin. Harmful by inhalation and in contact with skin. Toxic to aquatic organisms. Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact: Bathe the eye with running water for 15 minutes. See doctor if necessary.

Ingestion: Do not induce vomiting. Immediately rinse mouth and provide fresh air. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Seek medical attention.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Seek medical attention

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Do not use water jet, as this may spread fire.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. If inside, transfer outside of building in suitable containers. For small spills, absorb on to paper and allow to evaporate in a fume cupboard. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

REJUVINATOR EC128

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Respiratory protection:** Adequate ventilation When the vapour concentration is to high, filter mask.
- Hand protection:** Protective gloves.
- Eye protection:** Safety goggles.
- Skin protection:** Chemical resistant standard issue work clothes. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Colourless
- Odour:** Aromatic
- Solubility in water:** Slightly soluble
- Also soluble in:** Most organic solvents.
- Boiling point/range°C:** 155-181
- Flammability limits %: lower:** .9
- upper:** 8
- Flash point°C:** 34
- Autoflammability°C:** >460
- Relative density:** .87

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Sources of ignition.
- Materials to avoid:** Oxidising agents.

11. TOXICOLOGICAL INFORMATION

- Ingredient 1:** 2-BUTOXYETHANOL
IVN RAT LD50 307mg/kg
ORL MUS LD50 1230mg/kg
ORL RAT LD50 470mg/kg
- Ingredient 3:** XYLENE
ORL MUS LD50 2119mg/kg
ORL RAT LD50 4300mg/kg
SCU RAT LD50 1700mg/kg
- Ingredient 4:** 1,2,4-TRIMETHYLBENZENE
IPR RAT LDLO 1752mg/kg
ORL RAT LD50 5gm/kg
- Ingredient 5:** LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA
(PETROLEUM), LIGHT AROM.

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS**

- Waste disposal:** Disposal should be dealt with only by qualified personnel familiar with the specific

REJUVINATOR EC128

substance.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1993
ADR Class: 3
Hazard ID no: 30
Labelling: 3
Shipping name: FLAMMABLE LIQUID, N.O.S.

IMDG / IMO

UN no: 1993
Class: 3.3
Packing group: III
EmS: 3-07
Marine pollutant: YES
Labelling: 3

IATA / ICAO

UN no: 1993
Class: 3
Packing group: III
Packing instructions: 310
Quantity: 220 L
Labelling: 3

15. REGULATORY INFORMATION

Hazard symbols: Harmful.

Dangerous for the environment.



Risk phrases: R10: Flammable.

R38: Irritating to skin.

R20/21: Harmful by inhalation and in contact with skin.

R51: Toxic to aquatic organisms.

R65: Harmful: may cause lung damage if swallowed.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S24: Avoid contact with skin.

S36: Wear suitable protective clothing.

S23: Do not breathe vapour.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Note: The regulatory information given above only indicates the principal regulations

REJUVINATOR EC128

specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Risk phrases used in s.2: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R36/38: Irritating to eyes and skin.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

R10: Flammable.

R20/21: Harmful by inhalation and in contact with skin.

R20: Harmful by inhalation.

R36/37/38: Irritating to eyes, respiratory system and skin.

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

R45: May cause cancer.

R12: Extremely flammable.

R65: Harmful: may cause lung damage if swallowed.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.