Safety Data Sheet
REA TIN OR 932

Safety Data Sheet dated 4/9/2008, version 1

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Trade name: REA TIN OR 932
Trade code: 00084080
Product type: Organotin stabilizer
Product use: Stabiliser for PVC

Company:
REAGENS S.p.A.
Via Codronchi 4
I-40016 S.Giorgio di Piano (BO) - ITALIA

Emergency telephone number of the company and/or of an authorised advisory centre:
REAGENS S.p.A.
Tel. +39 051-6639111
Tel. +39 051-6639258 (out of office hours)
Fax.+39 051-897561

Competent person responsible for the safety data sheet:
MSDS@REAGENS.IT

2. HAZARDS IDENTIFICATION

Properties / Symbols:
- Mutagenic category 3
- Toxic for reproduction category 2
- T Toxic
- Xn Harmful
- Xi Irritant
- N Dangerous for the environment

R Phrases:
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R60 May impair fertility.
- R61 May cause harm to the unborn child.
- R68 Possible risk of irreversible effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: REA TIN OR 932

75% - 100% Dibutyltin dilaurate
CAS: 77-58-7   EC: 201-039-8
Muta. Cat. 3,Repr. Cat. 2,T,Xn,Xi,N; R22-36-48/25-51-53-60-61-68

4. FIRST AID MEASURES

Contact with skin:
Immediately take off all contaminated clothing.

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Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:
Wash immediately with water for at least 10 minutes.

Swallowing:
Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet. A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:
Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

5. FIRE-FIGHTING MEASURES

Recommended extinguishers:
Water, CO₂, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:
None in particular.

Risks arising from combustion:
Avoid inhaling the fumes.

Protective equipment:
Use protection for the respiratory tract.

6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:
Use gloves and protective clothing.

Environmental measures:
Limit leakages with earth or sand.
If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:
Rapidly recover the product. To do so, wear a mask and protective clothing. If the product is in a liquid form, stop it from entering the drainage system. Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material. After the product has been recovered, rinse the area and materials involved with water.

7. HANDLING AND STORAGE

Handling precautions:
Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.
Do not eat or drink while working.

Incompatible materials:
None in particular.

Storage conditions:
Keep this product in a dry place.

Instructions as regards storage premises:
Adequately ventilated premises.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:
Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:
Not needed for normal use.
Protection for hands:
   Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Eye protection:
   Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:
   Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Exposure limit(s) (ACGIH):
   None.

9. PHYSICAL AND CHEMICAL PROPERTIES

   Appearance and colour: Yellow liquid
   Odour: Characteristic
   pH: N.A.
   Melting point: N.A.
   Boiling point: > 300°C
   Flash point: > 100 °C
   Solid/gas flammability: N.A.
   Explosive properties: N.A.
   Oxidizing properties: N.A.
   Vapour pressure: N.A.
   Relative density: 1.04 g/cc (25°C)
   Solubility in water: Insoluble
   Lipid solubility: N.A.
   Partition c. (n-octanol/H2O): N.A.
   Vapour density: N.A.

10. STABILITY AND REACTIVITY

   Conditions to avoid:
      Stable under normal conditions.
      Sensible to humidity. Keep in well closed containers.

   Substances to avoid:
      Avoid all contact with water or with moist air.
      Strong oxidising agents.

   Hazardous decomposition products:
      It may generate toxic gases on contact with mineral acids, powerful oxidising agents, and powerful reducing agents.

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

   Adopt good working practices, so that the product is not released into the environment.
   List of substances dangerous for the environment and corresponding classification:
   75% - 100% Dibutyltin dilaurate
      CAS: 77-58-7   EC: 201-039-8
      R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

   Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
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This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/Safety data sheets. Where applicable, refer to the following regulatory provisions: 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

14. TRANSPORT INFORMATION
ADR-UN Number: 3082
ADR-Class: 9
ADR-HI number: 90
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutil stagno dilaurato)
ADR-Packing Group: III
IATA-UN Number: 3082
IATA-Class: 9
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutil stagno dilaurato)
IATA-Passenger Aircraft: 914
IATA-Cargo Aircraft: 914
IATA-Label: Miscellaneous
IATA-Packging group: III
IATA-S.P.: A97
IATA-ERG: 9L
IMDG-Marine pollutant: Severe Marine Pollutant
IMDG-UN Number: 3082
IMDG-Class: 9
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (dibutil stagno dilaurato)
IMDG-Packing group: III
IMDG-EmS: F-A , S-F
IMDG-Storage category: A

15. REGULATORY INFORMATION

Symbols:

Dangerous for the environment

R Phrases:
R22 Harmful if swallowed.
R36 Irritating to eyes.
R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.
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R68 Possible risk of irreversible effects.
S Phrases:
   S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
   S53 Avoid exposure - obtain special instructions before use.
   S60 This material and its container must be disposed of as hazardous waste.
   S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contents:
   Dibutyltin dilaurate

Special Provisions:
   For professional use only.

Where applicable, refer to the following regulatory provisions:
   1999/13/EC (VOC directive)

16. OTHER INFORMATION

R22 Harmful if swallowed.
R36 Irritating to eyes.
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Main bibliographic sources:
   ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
   SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
   ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.