



MATERIAL SAFETY DATA SHEET

in case of emergency Europe **112**

Product name: Imacoat HE 100

Following EC 1999/45 regulation

Edition: 01/12/2011

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY UNDERTAKING**1.1. Product identifier**

Identification of the product : Liquid.

Trade name : MBTCI3 (N-butyltin trichloride)

Product name: IMACOAT HE 100

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use** : Industrial. Chemical Intermediate**1.3. Details of the supplier of the safety data sheet**

Company name: IMACA INTERNATIONAL B.V.

Nassaulaan 8

4461 SX Goes

The Netherlands

Telephone: + 31(0)113 55 60 29

Fax: + 31(0)113 55 60 37

Internet site: www.imaca.nlE-mail: imaca@imaca.nl**1.4. Emergency telephone number - Europe :112****2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

Xn; R22

C; R34

Xi; R37

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

- **Health hazards** : Acute toxicity, Oral - Category 3 - Danger - (CLP : Acute Tox. 3) - H301
Skin corrosion - Category 1C - Danger - (CLP : Skin Corr. 1C) - H314
- **Environmental hazards** : Hazardous to the aquatic environment - Chronic hazard -
Category 1 - Warning - (CLP : Aquatic Chronic 1) - H410

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2.2. Label elements
Labelling EC 67/548 or EC 1999/45


Xn : Harmful

C : Corrosive

N : Dangerous for the environment

Xi : Irritant

– **Phrase(s)** : R22 : Harmful if swallowed.

R34 : Causes burns.

R37 : Irritating to respiratory system.

Labelling Regulation EC 1272/2008 (CLP)

– **Hazard pictograms**



– **Hazard pictograms code**

GHS06

GHS05

GHS09

– **Signal words :**

danger

– **Hazard statements :**

H314 - Causes severe skin burns and eye damage.

H301 - Toxic if swallowed.

H410 - Very toxic to aquatic life with long lasting effects.

– **Precautionary statements**

- **Prevention** P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P260 - Do not breathe dust, fume, gas, mist, vapours, spray.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

- **Response** P303+P361+P352 - IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Wash with plenty of soap and water.



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P304+P340+P310+P320 - IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment is urgent.

P305+P351+P338+P310+P321 - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Specific treatment.

P301+P330+P331+P310+P321 - IF SWALLOWED : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Specific treatment.

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage.

- **Storage** : P405 - Store locked up.

- **Disposal considerations** : P501 - Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s): this product is hazardous

| Substance name | Contents | CAS No | EC No | Annex No | REACH Ref | Classification |
|------------------------|-------------|----------|-----------|----------|-----------|-------------------------------|
| N-butyltin trichloride | > 99 <= 100 | 118-46-3 | 214-263-6 | ----- | ----- | C; R34 Xi; R37 N;R50-53 |

4. FIRST AID MEASURES

4.1. Description of first aid measures

First aid measures

- **Inhalation**: remove victim to fresh air. Allow the victim to rest. If not breathing, give artificial respiration. Seek medical advice.

- **Skin contact** : Remove contaminated clothing and shoes. Flush with plenty of water. Seek medical advice.

- **Eye contact** : Rinse immediately with plenty of water. Seek medical attention immediately.

- **Ingestion** : Rinse mouth. Do not induce vomiting because of corrosive effects. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

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5. FIRE FIGHTING MEASURES

Extinguishing media: All extinguishing products are allowed.

Recommendations: Emits toxic fumes under fire conditions
Use appropriate breathing apparatus
Cool closed containers with water do not allow run off from fire
Fighting to enter drains or water courses.

Protective equipment: Use self – contained respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up: Collect as much as possible in a clean container for (preferable) reuse or disposal
Absorb with sand, sweep up and put into a container for disposal.
Do not flush into public water courses.

Environmental: Contain and collect spillage with non combustible absorbent material e.g. sand, earth, vermiculite, diatomaceous earth.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin or clothing. Do not inhale. Wear safety goggles and suitable gloves.

Storage: Store in a dry well ventilated place away from sources of heat and direct sunlight.

8. EXPOSURE CONTROL PERSONAL PROTECTIONEngineering controls: Ensure good ventilation and local exhaustion of the working area.
Avoid contact with skin, eyes and clothing.
Avoid inhalation.

Personal protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Wear suitable safety goggles and safety gloves.

Exposure limits: Liquid average 1 mg/m³**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: liquid
Colour: clear, light brownish
Odour: irritating, acidic
Boiling point/range: 193 °C
Melting point/range: - 63 °C

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| | |
|----------------------|-----------------------|
| Flash point: | > 175 °C |
| Decomposition temp.: | > 210 °C |
| Explosion limits: | lower: NA / upper: NA |
| Vapour pressure : | 2,7 Pa at 20 °C |
| Vapour density: | 10 |
| Relative density: | 1,7 at 20 °C |
| Viscosity: | 3,6 cP at 25 °C |
| Solubility in water: | soluble |
| Molecular weight: | 282,1 |

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling conditions (

Conditions to avoid: Avoid elevated temperatures

Hazardous decomposition products: No typical hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Toxicological properties: LC 50 rat > 1200 mg/m³ 4 hrs
LD 50 acute oral rat 2868 mg/kg

12. ECOLOGICAL INFORMATION

Follow environmental and security recommendations for corrosive products.
Take care about empty drums. They must be stored well closed and in vertical position.

13. DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains and water courses. The regulations concerning toxic wastes specify that these wastes must be sent to an incineration plant licensed for this purpose. Containers which cannot be cleaned should be disposed off in the same manner as the product.

14. TRANSPORT INFORMATIONS

UN number

3265

Labelling



8 corrosive substance

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Air transport

IATA code/UN number: 3265
ICAO/IATA class: 8
Transport warning: corrosive substance

Land transport

ADR class: 8
ADR item: 40
ADR letter: b
Road Packaging Group: II – medium danger
Tremcard: 101
Transport warning: corrosive substance

Sea transport

IMDG page/UN number: 8147
IMO class: 8
IMO packaging group : II – medium danger
Transport warning: corrosive substance

15. REGULATORY INFORMATION

Cas number: 1118-46-3
EINECS/ELINCS: 214-263-6
BT No.: 29310080090002
Resource No.: 5200
Flash point: > 175 °C
Classif. 67/548: NO
Hazard symbol: C
Chemical name: monobutyl tin trichloride
Risk phrases: R 34 causes burns
R 37 irritating to respiratory system
Safety phrases: S 07/08 keep container tightly closed and dry.
S 26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 45 in case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

It is always the responsibility of the user to take all the necessary steps in order to fulfil the demands laid down in the rules and legislation.

The information in this MSDS is meant as a description of the safety requirements of our product. It is not to be considered as a guarantee of the product properties.