

# Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## 097501 Catalyzer for MBlue

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Revised edition: 16.01.2012

Version: 2

Printed: 20.05.2014

### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

Product Name: Catalyzer for MBlue

Article No.: O97501

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Catalyst

Uses advised against:

#### 1.3. Details of the Supplier of the Safety Data Sheet

Company: Interlabshop BV

Address: Lage Brink 23, 7317BD Apeldoorn The Netherlands

Tel./Fax.: +31(0)55-5215016

Internet: www.labshop.nl

EMail: labshop@labshop.nl

#### 1.4. Emergency No.

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Emergency No.: 112 (24 hours a day)

### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

Classification according to EC  
Regulation 1272/2008

Acute toxicity (oral), hazard category 4

Skin irritation, hazard category 2

Eye irritation, category 2

Specific target organ toxicity (repeated exposure), category 2

Chronic aquatic toxicity, category 2

H302

Harmful if swallowed.

Cat.: 4

H315

Causes skin irritation.

Cat.: 2

H319

Causes serious eye irritation.

Cat.: 2

H373

May cause damage to organs through prolonged or repeated exposure.

Cat.: 2

H411

Toxic to aquatic life with long lasting effects.

Cat.: 2

Classification according to EC  
Regulation No. 67/548 or No. 1999/45

Harmful (Xn)

R22

Harmful if swallowed.

R48

Danger of serious damage to health by prolonged exposure.

Repr. Cat. 3

R63

Possible risk of harm to the unborn child.

Mut. Cat. 3

R68

Possible risks of irreversible effects.

Safety Phrases:

Possible Environmental Effects:

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**2.2. Label Elements**

*Classification according to EC Regulation 1272/2008*

*Hazard designation:*



GHS07



GHS08



GHS09-1

*Signal word:*

Warning

*Hazard designation:*

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

*Safety designation:*

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P321	Specific treatment (see label).
P362	Take off contaminated clothing and wash before reuse.
P501	Dispose of contents/ container according to regional, national and international regulations.

*Hazardous components for labelling:*

*Di-n-butyl tin-di-neodecanoate*

**2.3. Other Hazards**

**3. Composition/Information on Ingredients**

**3.1. Substance**

**3.2. Mixture**

*Chemical Characterization:*

*Mixture*

*Hazardous Ingredients:*

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Di-n-butyl tin-di-neodecanoate (Xn, N; R21/22-48/22-36/38-51/53; H302-312-315-319)

10-25 %

CAS-Nr: 25168-22-3

EINECS-Nr: 246-702-2

EC-Nr:

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*Additional information:*

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**4. First Aid Measures****4.1. Description of the First Aid Measures***General information:**Intoxication symptoms may occur after several hours, therefore a 48 hour medical observation is necessary.**After inhalation:**Supply fresh air.**Consult physician if symptoms persist.**After skin contact:**This product is in general not irritating to the skin.**After eye contact:**Rinse open eye for several minutes under running water.**After ingestion:**Immediately get medical help.***4.2. Most important Symptoms and Effects, both Acute and Delayed***Symptoms:**No further information available.**Effects:**No further information available.***4.3. Indication of any Immediate Medical Attention and special Treatment needed***Treatment:**No further information available.*

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**5. Fire-Fighting Measures****5.1. Extinguishing Media***Suitable extinguishing media:**CO2, extinguishing powder, water jet.**Fight larger fire with water jet or alcohol resistant foam.**Unsuitable extinguishing media:**None known.***5.2. Special Hazards arising from the Substance or Mixture***Special hazards:**No information available.***5.3. Advice for Firefighters***Protective equipment:**No special measures required.**Further information:*

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**6. Accidental Release Measures****6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:**No special measures required.***6.2. Environmental Precautions***Environmental precautions:**Prevent contamination of soils, drains and surface water.***6.3. Methods and Material for Containment and Cleaning Up***Methods and material:**Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent, saw dust) and dispose accordingly.***6.4. Reference to other Sections***For information for safe handling see Section 7.**Protective clothing, see Section 8.**See Section 13 for information on disposal.*

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**7. Handling and Storage****7.1. Precautions for Safe Handling***Instructions on safe handling:**No special measures required.**Hygienic measures:**No further measures, see Section 8.***7.2. Conditions for Safe Storage, including any Incompatibilities***Storage conditions:**Store in a cool and dry place.**Requirements for storage areas and containers:**No special measures necessary.**Information on fire and explosion protection:**No special measures necessary.**Storage class (VCI):**Further Information:***7.3. Specific End Use(s)***Further information:**No information available.*

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**8. Exposure Controls/Personal Protection****8.1. Parameters to be Controlled***Parameters to be controlled (DE):**The product does not contain any relevant amounts of substances with critical values that require monitoring at the workplace.**Parameters to be controlled (EC):*

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*Derived No-Effect Level (DNEL):**Predicted No-Effect Concentration (PNEC):**Additional Information:***8.2. Exposure Controls***Technical protective measures:**No further measures, see Section 7.**Personal Protection**General protective measures:**Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Store protective clothing separately.**Respiratory protection:**Respirator mask required if ventilation is insufficient. Wear filter respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.**Hand protection:**Protective gloves (EN 374)**Protective glove material:**Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.**Eye protection:**Safety glasses (EN 166)**Body protection:**Environmental precautions:**Prevent contamination of open water ways and sewage system. Avoid contamination of ground water.*

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**9. Physical and Chemical Properties****9.1. Information on Basic Physical and Chemical Properties***Form: liquid**Color: clear**Odor: characteristic**Odor threshold: No information available.**pH-Value: not determined**Melting temperature: not determined**Boiling temperature: not determined*

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Flash point:	> 55°C
Evaporation rate:	No information available.
Flammability (solid, gas):	not applicable
Upper explosion limit:	not determined
Lower explosion limit:	not determined
Vapor pressure:	not determined
Vapor density:	No information available.
Density:	0.99 g/cm <sup>3</sup> (20°C)
Solubility in water:	not very miscible
Coefficient of variation (n-Octanol/Water):	not determined
Auto-ignition temperature:	Product is not auto-ignitable.
Decomposition temperature:	not determined
Viscosity, dynamic:	not determined
Explosive properties:	Product is not explosive.
Oxidizing properties:	no information available
Bulk density:	not applicable

### 9.2. Further Information

Solubility in solvents:  
Viscosity, kinematic  
Burning class:  
Solvent content:  
Solid content:  
Particle size:  
Other information:

No further information.

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**10. Stability and Reactivity****10.1. Reactivity***Stable if used according to specifications.***10.2. Chemical Stability***Stable if used according to specifications.***10.3. Possibility of Hazardous Reactions***Unknown.***10.4. Conditions to Avoid***Conditions to avoid:**No further information available.**Thermal decomposition:**No decomposition.***10.5. Incompatible Materials***No information available.***10.6. Hazardous Decomposition Products***None known.***10.7. Further Information**

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**11. Toxicological Information****11. 1. Information on Toxicological Effects***No information available.**Acute Toxicity**LD50, oral:**LD50, dermal:**LC50, inhalation:**Primary effects**Irritant effect on skin:**Non irritating**Irritant effect on eyes:**Non-irritating to eyes**Inhalation:**No information available.**Ingestion:**No information available**Sensitization:**No sensitizing effects known.**Mutagenicity:**No data available.**Reproductive toxicity:**No data available.**Cancerogenity:*

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*No data available.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No data available.*

*Additional toxicological information:*

*No information available.*

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## 12. Ecological Information

### 12. 1. Aquatic Toxicity

*No information available.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12. 2. Persistency and Degradability

*No information available.*

### 12. 3. Bioaccumulation

*No information available.*

### 12. 4. Mobility

*No information available.*

### 12. 5. Results of PBT- und vPvP Assessment

*Not applicable.*

### 12. 6. Other Adverse Effects

*Water hazard class:*

*3, hazardous*

*Do not let product contaminate ground water, waterways or sewage system.*

*Danger to drinking water even if small quantities leak into the ground.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

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## 13. Disposal Considerations

### 13. 1. Waste Treatment Methods

*Product:*

*Must not be disposed together with household garbage.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*Waste Code No.:*

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**14. Transport Information****14. 1. UN Number***ADR, IMDG, IATA* 3082**14. 2. UN Proper Shipping Name***ADR/RID:* UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Di-n-butylzinn-di-neodecanoat)*IMDG/IATA:* ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Di-n-butyl tin-di-neodecanoate)**14. 3. Transport Hazard Classes***ADR Class:* 9*Hazard no.:* 9*Classification code:* M6*Tunnel no.:* E*IMDG Class (sea):* 9*Hazard no.:* 9*EmS No.:**IATA Class:* 9*Hazard no.:* 9**14. 4. Packaging Group***ADR/RID:* III*IMDG:* III*IATA:* III**14. 5. Environmental Hazards***Labelling according 5.2.1.8 ADR/RID: fish and tree**Labelling according 5.2.1.6.3 IMDG: fish and tree**Labelled with "P" according 2.10 IMDG: yes***14. 6. Special Precautions for User***Warning: various dangerous materials and products.***14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code***not applicable***14. 8. Further Information**

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**15. Regulatory Information****15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture***Water hazard class:*

3, very hazardous for water (self-assessment)

*Local regulations on chemical accidents:**Employment restrictions:**Restriction and prohibition of application:*

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*Technical instructions on air quality:*

*Classification I: 10 - 25 %*

### 15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

### 15. 3. Further Information

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### 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*