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# **ACIDO-EBONY (EBONY2)**

Safety data sheet

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

ACIDO-EBONY (EBONY2) Code:

**Acid Stain** Product name

1.2. Relevant identified uses of the substance or mixture and uses advised against

Floor acids - Ebony effect

1.3. Details of the supplier of the safety data sheet

**IDEAL WORK SRL** Name Full address Via Kennedy, 52

31030 Vallà di Riese Pio X (TV) District and Country

Italia

Tel. +39 0423/4535 Fax +39 0423/748429

e-mail address of the person responsible, responsible for the safety data sheet

sicurezza@idealwork.it

1.4. Emergency telephone number

For urgent inquiries refer to

Poison center:

**National Poisons Information Service (Birmingham** 

**Unit) City Hospital Dudley Rd Birmingham** Telephone: +44 121 507 4123 Fax: +44 121 507 55 88

Emergency telephone: 844 892 0111

#### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Substance or mixture corrosive to metals, category 1 H290 May be corrosive to metals. H302 Acute toxicity, category 4 Harmful if swallowed.

#### 2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.





Signal words: Warning

Hazard statements:

H290 May be corrosive to metals. H302 Harmful if swallowed.



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Precautionary statements:

Keep only in original container.

P234

P264 Wash hands thoroughly after handling.

Do no eat, drink or smoke when using this product.

P270 P301+P312 IF SWALLOWED: call a POISON CENTER or a doctor if you feel unwell.

P330 Rinse mouth.

P390 Absorb spillage to prevent material damage.

Contains: MANGANESE DICHLORIDE

#### 2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### **SECTION 3. Composition/information on ingredients.**

#### 3.2. Mixtures.

Contains:

Identification Conc. %. Classification 1272/2008 Specific limits (CLP).

MANGANESE DICHLORIDE

CAS. 64333-01-3 > 10 < 25 Acute Tox. 3 H301 Aquatic Chronic 3 H412

EC. 231-869-6

INDEX -

**REACTION MASS OF CHROMIUM HYDROXIDE** SULPHATE AND SODIUM SULPHATE

CAS. 39380-78-4 > 5 <= 20 Acute Tox. 4 H332

EC. 914-129-3

INDEX. -

Reg. no. 01-2119458867-19-xxxx **HYDROCHLORIC ACID ... %** 

CAS. 7647-01-0 > 0.3 <= 1.5 Met. Corr. 1 H290 Skin Corr. 1B; H314: C ≥ 25 %

Skin Corr. 1B H314 STOT SE 3 H335

Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eve Irrit. 2: H319: 10 % ≤ C < 25 % STOT SE 3; H335: C ≥ 10 % Met. Corr. ; H290: >= 0,1 %

EC. 231-595-7

INDEX. 017-002-01-X

Reg. no. 01-2119484862-27-xxxx

The full wording of hazard (H) phrases is given in section 16 of the sheet.

#### **SECTION 4. First aid measures.**

#### 4.1. Description of first aid measures.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor

EYES and SKIN: Wash with plenty of water. In the event of persistent irritation, get medical advice/attention.

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Information not available.



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### **SECTION 5. Firefighting measures.**

#### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

#### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Information not available.

#### 5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

#### **SECTION 6. Accidental release measures.**

#### 6.1. Personal precautions, protective equipment and emergency procedures.

#### FOR EMERGENCY RESPONDERS

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

#### FOR NON-EMERGENCY PERSONNEL

Alert personnel in charge of handling such emergencies. Move away from the incident area if you are not in possession of the protective devices individual listed in Section 8

#### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

#### 6.3. Methods and material for containment and cleaning up.

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

#### **SECTION 7. Handling and storage.**

#### 7.1. Precautions for safe handling.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

#### 7.2. Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store in a ventilated and dry place. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s).

Professional use only.

#### **SECTION 8. Exposure controls/personal protection.**

#### 8.1. Control parameters.

Regulatory References:



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0,9 mg/m3

systemic

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**TLV-ACGIH** 

**ACGIH 2014** 

MAN	IGAN	IESE	DICH	LOR	IDE
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Threshold Limit Value.

Гуре Country TWA/8h STEL/15min

mg/m3 ppm mg/m3 ppm

TLV-ACGIH (as Mn) 0,1

#### REACTION MASS OF CHROMIUM HYDROXIDE SULPHATE AND SODIUM SULPHATE

Predicted no-effect concentration - PNEC.

Normal value in fresh water (Cr(III)) 4700 mg/l
Normal value for fresh water sediment (Cr(III)) 31 mg/kg
Normal value for the terrestrial compartment (Cr(III)) 2,8 mg/kg

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers.

Route of exposure Acute local Acute systemic Chronic local Chronic systemic Systemic Systemic Systemic Systemic Series Series

VND

15 mg/m3

2,8 mg/m3

systemic

VND

8 mg/m3

Inhalation.

HYDROCHLORIC ACID								
Threshold Limit Value.								
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
TLV-ACGIH		8	5	15	10			
Predicted no-effect concentra	ation - PNEC.							
Normal value in fresh water				0,036		mg/l		
Normal value in marine water				0,036		mg/l		
Normal value for water, intermittent release			0,045		mg/l			
Normal value of STP microorganisms			0,036		mg/l			
Health - Derived no-effe	ct level - DNEL / I	DMEL						
	Effects on				Effects on			
	consumers.				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic

systemic

#### Legend:

Inhalation.

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

#### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

#### HAND PROTECTION

Protect hands with work gloves (see standard EN 374) resistant to permeation class L (ex. Butyl rubber – fluororubber).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

### SKIN PROTECTION

Wear professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.



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#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

### **SECTION 9. Physical and chemical properties.**

#### 9.1. Information on basic physical and chemical properties.

Appearance liquid Colour dark Odour pungent Odour threshold. Not available. 2,3 Melting point / freezing point. < 0 °C Initial boiling point. 100 °C Boiling range. Not available. Flash point. Not infiammable. Not available Evaporation rate Flammability (solid, gas) Not available. Lower inflammability limit. Not available. Upper inflammability limit. Not available. Lower explosive limit. Not available. Upper explosive limit. Not available. Vapour pressure. Not available. Vapour density Not available. Relative density. 1,15 Kg/l soluble in water Solubility Partition coefficient: n-octanol/water Not available. Auto-ignition temperature. Not available. Decomposition temperature. Not available. Viscosity Not available. Not applicable. Explosive properties Oxidising properties Not available.

#### 9.2. Other information.

Information not available.

#### SECTION 10. Stability and reactivity.

#### 10.1. Reactivity.

HYDROCHLORIC ACID

The HCl solution in water is a strong acid, it reacts violently with bases and is corrosive.

#### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid.

None in particular. However the usual precautions used for chemical products should be respected.



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#### 10.5. Incompatible materials.

Information not available.

#### 10.6. Hazardous decomposition products.

Information not available.

#### **SECTION 11. Toxicological information.**

#### 11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

#### a) acute toxicity;

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is classified as harmful if swallowed (H302).

Ingestion of this product is harmful. Even small amounts of product may cause serious health problems (stomach pain, nausea, sickness, diarrhoea).

#### MANGANESE DICHLORIDE

LD50 (Oral).250 mg/kg Rat

#### HYDROCHLORIC ACID

LC50 (Inhalation).45,6 mg/l/5min Rat

#### REACTION MASS OF CHROMIUM HYDROXIDE SULPHATE AND SODIUM SULPHATE

LC50 (Inhalation).4,58 mg/l

#### b) skin corrosion/irritation:

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as skin irritatant or corrosive.

HYDROCHLORIC ACID: Skin irritation (OECD 404): corrosive (rat).

#### c) serious eye damage/irritation

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as irritant for eyes.

HYDROCHLORIC ACID: eye irritation (OECD 405): corrosive (rabbit).

#### d) respiratory or skin sensitisation;

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified sensitizer.

### e) germ cell mutagenicity;

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as mutagen.

#### f) carcinogenicity:

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as carcinogenic.

#### g) reproductive toxicity;

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as toxic for the reproduction.

#### h) STOT-single exposure;

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as toxic for specific target organ - single exposure.

#### i) STOT-repeated exposure;

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as toxic for specific target organ - repeated exposure.

#### j) aspiration hazard

According to classification criteria set out in Annex I of EC Regulation 1272/2008, and considered the components, the mixture is not classified as dangerous in case of inhalation.

#### **SECTION 12. Ecological information.**



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This product is not hazardous for aquatic organisms according to regulation 1272/2008 (CLP).

12.1. Toxicity.

MANGANESE DICHLORIDE

LC50 - for Fish. 18,8 mg/l/7days Carassius auratus EC50 - for Crustacea. > 11 mg/l/48h Daphnia magna CL50 - Bacteria 47,5 mg/l/4,5h Pseudomonas putida

LC50 - Fish. 6,67 mg/l/28gg Oncorhynchus mykiss

HYDROCHLORIC ACID

LC50 - for Fish. 282 mg/l/96h

EC50 - for Crustacea. < 56 mg/l/72h Daphnia magna

#### 12.2. Persistence and degradability.

Information not available.

#### 12.3. Bioaccumulative potential.

Information not available.

#### 12.4. Mobility in soil.

Information not available.

#### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

#### **SECTION 13. Disposal considerations.**

#### 13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

#### **SECTION 14. Transport information.**

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

#### 14.1. UN number.

ADR/ADN/RID: 3264 IMDG: 3264 3264 IATA:

#### 14.2. UN proper shipping name.

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID) ADR / RID: IMDG: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID) IATA: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID)

#### 14.3. Transport hazard class(es).

ADR/ADN/RID: 8 IMDG: 8 8 IATA:



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#### 14.4. Packing group.

ADR/ADN/RID: Ш IMDG: Ш Ш IATA:

#### 14.5. Environmental hazards.

NO ADR/ADN/RID: IMDG: NO Marine Pollutant: NO IATA: NO

#### 14.6. Special precautions for user.

ADR/ADN/RID

Classification code: C1 Transport category: Hazard identification 80 No: Labels: Special provisions: 274 Limited quantity: 5L Excepted quantity: E1 Tunnel restriction code: (E)



Labels: 223 - 274 Special provisions: Limited quantity: 5L Excepted quantity: E1 EmS: F-A, S-B Stowage and SW<sub>2</sub>

segregation

Labels: 1. Acids

IATA

Labels: 8 (Corrosive)



Excepted quantity: Packing instruction: Cargo: 856 **Passengers** 852 Limited Quantity: Max net Qty/Pkg: 60L 51

Special provisions: A3 - A803

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk must comply with Annex II of MARPOL 73/78 and the IBC Code where applicable.

5 LT BUCKET - APPROVAL 3H1/Y1,6/150 - 14,80 cm x 18,90cmH - Weight 0,250KG

#### **SECTION 15. Regulatory information.**

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture. Seveso category.

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.

3 Point.







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Substances in Candidate List (Art. 59 REACH).

None

Substances subject to authorisarion (Annex XIV REACH).

None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None.

Substances subject to the Stockholm Convention:

None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### 15.2. Chemical safety assessment.

A chemical safety assessment has been performed for the following contained substances.

HYDROCHLORIC ACID

REACTION MASS OF CHROMIUM HYDROXIDE SULPHATE AND SODIUM SULPHATE

#### **SECTION 16. Other information.**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Met. Corr. 1 Substance or mixture corrosive to metals, category 1

Acute Tox. 3 Acute toxicity, category 3

Acute Tox. 4 Acute toxicity, category 4

Skin Corr. 1B Skin corrosion, category 1B

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H290 May be corrosive to metals.

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration



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- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

- 1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (l Atp. CLP) of the European Parliament 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

First emission of the document.