MATERIAL SAFETY DATA SHEET according to Regulation 1907/2006/EC, Article 31
DEUREX® C 0112 O

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

1.1. Product identifier
Trade names: DEUREX® C 0112 O

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

1.3. Details of the supplier of the safety data sheet
DEUREX AG
Dr.-Bergius-Str. 8 – 12
D - 06729 Elsteraue
Tel.: +49(0)3441 / 8 29 29 29, Fax: +49(0)3441 / 8 29 29 28
Material-Safety@Deurex.com
www.Deurex.com

1.4. Emergency telephone number
Common poisons information centre of the Federal States
Mecklenburg-Western Pomerania, Saxony, Saxony-Anhalt and Thuringia.
D-99089 Erfurt
Tel.: +49(0)361-730730

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 [CLP]:
Serious Eye Damage/Irritation: Category 1

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified an labelled according to the CLP regulation.

Signal word:
Warning

Pictograms:

GHS07

Hazard-determining components of labelling: Disodium dihydrogenethylenediaminetetraacetate
Hazard statements: H332 Harmful if inhaled.

Precautionary statements: P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.

Additional information: Contains 5-chloro-2-methyl-2H-isothiazol-3-one.
May produce an allergic reaction.

2.3 Other hazards
Results of PBT and vPvB assessment: PBT: Not applicable. vPvB: Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Chemical characterisation: Mixtures

CAS - No. : DEUREX® C 0112 O is a preperation. All relevant raw materials have CAS-numbers and are listed in the EINECS.

Components :
34 – 36% Ethylenediaminetetraacetate acid, Di- Sodium – salt (CAS – No. 139-33-3)

64 – 66% Linseed oil (CAS – No. 8001-26-1)

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
General informations: A hazard originated from the substance can occur during processing in hot state (risk of burning)!

Following inhalation: Remove person to fresh air. If you feel unwell, get medical attention.

Following skin contact: Generally the product does not irritate the skin.
Following eye contact: Immediately flush eyes with large amounts of water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Get immediate medical attention.

Following ingestion: Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Suitable Extinguishing media
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable fire extinguishing methods:
waterjet

5.2. Special hazards arising from the substance or mixture
No further relevant information available.

5.3. Advice for firefighters
No special measures required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Wear protective clothing.

6.2. Environmental precautions
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent. Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
No special precautions are necessary if used correctly.

7.2. Conditions for safe storage, including any incompatibilities
No special storage requirements.
Further information about storage conditions:
Protect from frost.
Keep container tightly sealed.
Protect from contamination.

7.3. Specific end use(s)
Avoid contact with Aluminium, Zinc, Nickel, copper and copper alloy.

SECTION 8: EXPORSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls

8.2.2. Personal protective equipment

General protective and hygiene measures:
Usual precautions for handling chemicals. Do not eat, drink or smoke during work, and wear suitable protective clothing. Do not breathe dust. Wash hands before breaks. Remove contaminated clothing. After contact, clean skin with water and soap or use suitable cleanser. Do not use organic solvents.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
Respiratory protection: Not required.

Eye / Face protection:
Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Tightly sealed goggles

Protection of hands:
Impervious gloves (EN 374)
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Natural rubber, NR

Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection:
Not required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General Information:
Appearance:

Form:	Oil based dispersion
Colour:	Yellow
Odour:	Characteristically like oil
Odour threshold:	Not determined.
pH-value at 20 °C:	8.5 - 9.5
Change in condition:	
Melting point (EDTA):	110°C
Boiling point (linseed oil):	> 350 °C
Flash point (linseed oil):	> 300 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting (EDTA):	> 255 °C
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density at 20 °C:	1 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with:	
water:	Insoluble

Partition coefficient (n-octanol/water): Not determined.
Viscosity:

Dynamic at 20 °C:	approx. 50 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC)	0.0 %
Solids content:	34.0 - 36.0 %

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9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
No dangerous reactions known.

10.4. Conditions to avoid
Reactions with strong oxidizing agents.
Very fine distributions (mist) during contact with air.

10.5. Incompatible materials
Aluminium, Zinc, Nickel, Copper and Copper alloy, as well as strong oxidizing agents

10.6. Hazardous decomposition products
Nitroses gases may be generated. Acrolein may be generated at heating up above 300 °C.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute oral toxicity: LD_{50} Rat > 2.000 mg/kg (EDTA)
LD_{50} Rat > 4.763 mg/kg (Linseed oil)
Acute toxicity
Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation Very minor irritations known.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: EDTA: very difficult to biodegrade
Linseed oil: biologically degradable

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.
Ecological information:
General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach sewage water or drainage ditch undiluted or unneutralised.

12.5 PBT/vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATION

13.1. Waste treatment methods
Recommendation: Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Must be specially treated adhering to official regulations. Must not be disposed together with household garbage.
Do not allow product to reach sewage system.
Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

Transport only in accordance with ADR for road haulage, RID for rail transportation, ADNR/IMDG for carriage by vessel/sea and IATA for carriage by air.

	Road traffic - ADR - Rail traffic - RID -	Barge traffic - ADNR - Maritime traffic - IMDG -	Air traffic - IATA -
14.1. UN number	No hazardous materials	No hazardous materials	No hazardous materials
14.2. UN proper shipping name	No hazardous materials	No hazardous materials	No hazardous materials
14.3. Transport hazard class(es)	No hazardous materials	No hazardous materials	No hazardous materials
14.4. Packing group	No hazardous materials	No hazardous materials	No hazardous materials
14.5. Environmental hazards	No hazardous materials	No hazardous materials	No hazardous materials

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/8 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

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

International regulations:

Regulation (EC) 1907/2006
Regulation (EC) 1272/2008
Regulation (EU) 453/2010
Directive 94/62/EC
Directive 2008/98/EC
Directive 2011/65/EU
Directive 2012/19/EU
- respectively in the latest version incl. all amendment and corrections.

National regulations:
Compliance with applicable agreements, regulations and laws of the respective country.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Further information:
The information is based on our present knowledge, it is correct and complete. However, this information is given without a guarantee. It remains the responsibility of the user to satisfy itself whether the information is appropriate and complete for his special use of the product.

Relevant phrases
H332 Harmful if inhaled.