



# Safety Data Sheet

## K1NB - Micron thick gold plating 1N

Safety Data Sheet dated 26/2/2020, version 1

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

#### 1.1. Product identifier

Mixture identification:

Trade name: K1NB - Micron thick gold plating 1N

Trade code: AP033-002

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

Recommended use:

For electroplating industry

#### 1.3. Details of the supplier of the safety data sheet

Company:

LEGOR GROUP S.p.A.

Via del Lavoro, 1

36050 Bressanvido (VI)

Italy

LEGOR GROUP S.p.A.

tel. +39 0444 467911 fax +39 0444 660677

Competent person responsible for the safety data sheet:

info@legor.com

#### 1.4. Emergency telephone number

Osp. Niguarda Ca' Granda Piazza Ospedale Maggiore, 3 20162 Milano - Tel.: 02-66101029

Azienda Ospedaliera Papa Giovanni XXII, Piazza OMS, 1 24127 Bergamo - Tel.: 800883300

CAV Policlinico "A. Gemelli", Largo Agostino Gemelli, 8 00168 Roma - Tel.: 06-3054343

Az. Osp. "Careggi" U.O. Tossicologia Medica, Largo Brambilla, 3 50134 Firenze - Tel.: 055-7947819

CAVp Osp. Pediatrico Bambino Gesù, Piazza Sant'Onofrio, 4 00165 Roma - Tel.: 06 68593726

Az. Osp. Univ. Foggia, V.le Luigi Pinto, 1 71122 Foggia - Tel.: 0881-732326

Az. Osp. "A. Cardarelli", Via A. Cardarelli, 9 80131 Napoli - Tel.: 081-7472870

### SECTION 2: Hazards identification

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

EC regulation criteria 1272/2008 (CLP)

⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.

⚠ Danger, Resp. Sens. 1, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

⚠ Warning, Muta. 2, Suspected of causing genetic defects.

⚠ Danger, Carc. 1A, May cause cancer.

⚠ Danger, Repr. 1B, May damage fertility or the unborn child.

⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

AP033-002/1

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H319 Causes serious eye irritation.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H317 May cause an allergic skin reaction.  
 H341 Suspected of causing genetic defects.  
 H350 May cause cancer.  
 H360 May damage fertility or the unborn child.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements:

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...  
 P391 Collect spillage.

### Special Provisions:

None

### Contains

Nickel Sulfate Hexahydrate

### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

### Other Hazards:

No other hazards

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 10% - < 12.5%	Citric acid	CAS: 5949-29-1 EC: 201-069-1 REACH No.: 01-2119457026-42-xxxx	⚠ 3.3/2 Eye Irrit. 2 H319
>= 1% - < 3%	Nickel Sulfate Hexahydrate	Index number: 028-009-00-5 CAS: 10101-97-0 EC: 232-104-9	⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.4.1/1 Resp. Sens. 1 H334 ⚠ 3.4.2/1 Skin Sens. 1 H317 ⚠ 3.5/2 Muta. 2 H341 ⚠ 3.6/1A Carc. 1A H350 ⚠ 3.7/1B Repr. 1B H360 ⚠ 3.9/1 STOT RE 1 H372 ⚠ 4.1/A1 Aquatic Acute 1 H400 M=10. ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=10.

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

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Wash with plenty of water.

- 6.4. Reference to other sections  
See also section 8 and 13

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#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Exercise the greatest care when handling or opening the container.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.

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

Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.

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

None in particular

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#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters

K1NB - Micron thick gold plating 1N  
ACGIH - TWA(8h): 0.1 mg/m<sup>3</sup> - Notes: As Ni  
Nickel Sulfate Hexahydrate - CAS: 10101-97-0  
ACGIH - TWA: 0.1 mg/m<sup>3</sup>

##### DNEL Exposure Limit Values

K1NB - Micron thick gold plating 1N  
Worker Professional: 1.25 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term (acute) - Notes: Nickel sulfate hexahydrate  
Worker Professional: 43 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects - Notes: Nickel sulfate hexahydrate  
Worker Professional: 0.22 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Local chronic - Notes: Nickel sulfate hexahydrate  
Worker Professional: 0.22 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Chronic Systemic - Notes: Nickel sulfate hexahydrate  
Nickel Sulfate Hexahydrate - CAS: 10101-97-0  
Worker Professional: 1.25 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
Worker Professional: 43 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
Worker Professional: 0.22 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Local chronic  
Worker Professional: 0.22 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Chronic Systemic  
Worker Professional: 0.002 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Local chronic

##### PNEC Exposure Limit Values

K1NB - Micron thick gold plating 1N  
Target: Fresh Water - Value: 15900 mg/l - Type of hazard: Environmentally not effective limit - Notes: Nickel sulfate hexahydrate  
Target: Marine water - Value: 38500 mg/l - Type of hazard: Environmentally not effective limit - Notes: Nickel sulfate hexahydrate

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Target: Terrestrial compartment - Value: 134 mg/kg - Type of hazard: Environmentally not effective limit - Notes:: Nickel sulfate hexahydrate

Target: Fresh Water - Value: 0.44 mg/l - Type of hazard: Environmentally not effective limit - Notes:: Citric acid monohydrate

Target: Marine water - Value: 0.044 mg/l - Type of hazard: Environmentally not effective limit - Notes:: Citric acid monohydrate

Nickel Sulfate Hexahydrate - CAS: 10101-97-0

Target: Fresh Water - Value: 15900 mg/l

Target: Marine water - Value: 38500 mg/l

Target: Terrestrial compartment - Value: 134 mg/kg

#### 8.2. Exposure controls

##### Eye protection:

Use close fitting safety goggles, don't use eye lens.

##### Protection for skin:

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

##### Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

##### Respiratory protection:

Use adequate protective respiratory equipment.

##### Thermal Hazards:

None

##### Environmental exposure controls:

None

##### Appropriate engineering controls:

None

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## SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	Green Liquid	--	--
Odour:	Odourless	--	--
Odour threshold:	N.A.	--	--
pH:	3.8	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	N.A.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	Not flammable	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--

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Relative density:	N.A.	--	--
Solubility in water:	Total	--	--
Solubility in oil:		--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	Not explosive	--	--
Oxidizing properties:	N.A.	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
VOC:	--	--	--
Substance Groups relevant properties	N.A.	--	--

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## SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

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## SECTION 11: Toxicological information

- 11.1. Information on toxicological effects  
Toxicological information of the product:  
K1NB - Micron thick gold plating 1N
  - a) acute toxicity  
Not classified

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Based on available data, the classification criteria are not met

Test: LD50 - Route: Oral - Species: Rat 5400 mg/kg - Notes: Citric Acid Monohydrate

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Notes: Citric Acid Monohydrate

Test: LD50 - Route: Oral - Species: Rat 361 mg/kg - Notes: Nickel sulfate monohydrate

Test: LC50 - Route: Inhalation - Species: Rat 2.48 mg/l - Notes: Nickel sulfate monohydrate

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

The product is classified: Resp. Sens. 1 H334; Skin Sens. 1 H317

e) germ cell mutagenicity

The product is classified: Muta. 2 H341

f) carcinogenicity

The product is classified: Carc. 1A H350

g) reproductive toxicity

The product is classified: Repr. 1B H360

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

The product is classified: STOT RE 2 H373

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Nickel Sulfate Hexahydrate - CAS: 10101-97-0

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 2.48 mg/l - Duration: 4h - Source: ECHA - Notes: OECD

Test: LD50 - Route: Oral - Species: Rat = 361 mg/kg - Source: ECHA - Notes: OECD-425

f) carcinogenicity:

Test: Carcinogenicity - Route: Oral - Species: Rat 10-50 mg/kg - Source: IARC: Group 2B - Notes: 2 years treatment: Keratoacanthoma

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

LC50 fish > 100 mg/l/96h (NOEC value: 100 mg/l)

IC50 algae: 0,81 mg/l/72h (NOEC value: 0,32 mg/l)

EC50 dafnia: 9,5 mg/l/48h (NOEC value: 1 mg/l)

Hazard for water class 2 (D) (autoclassification): dangerous.

Use according with good working practices avoiding to disperse in the external environment.

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The product is classified: Aquatic Chronic 2 - H411

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 71.5 mg/l - Duration h: 96 - Notes: Nickel sulfate hexahydrate

Endpoint: EC50 - Species: Shellfish 2.58 mg/l - Duration h: 48 - Notes: Nickel sulfate hexahydrate

Endpoint: EC50 - Species: Algae 0.39 mg/l - Duration h: 72 - Notes: Nickel sulfate hexahydrate

b) Aquatic chronic toxicity:

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Endpoint: NOEC - Species: Algae 425 mg/l - Duration h: 8 - Notes: Citric Acid Monohydrate

Nickel Sulfate Hexahydrate - CAS: 10101-97-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 71.5 mg/l - Duration h: 96 - Notes: Clarias Batrachus

Endpoint: EC50 - Species: Shellfish = 2.58 mg/l - Duration h: 48 - Notes: Daphnia Magna

Endpoint: EC50 - Species: Algae = 0.39 mg/l - Duration h: 72 - Notes: Scenedesmus quadricauda

12.2. Persistence and degradability

None

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Biodegradability: Readily biodegradable - Test: Solubility in water - Notes: Citric Acid Monohydrate

12.3. Bioaccumulative potential

K1NB - Micron thick gold plating 1N

Bioaccumulation: Bioaccumulative - Test: BCF - Bioconcentration factor 3.2 - Notes: Citric Acid Monohydrate

Bioaccumulation: Bioaccumulative - Test: BCF - Bioconcentration factor 14 - Notes: Nickel sulfate anhydrous

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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#### SECTION 13: Disposal considerations

13.1. Waste treatment methods

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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#### SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 3082

IATA-UN Number: 3082

IMDG-UN Number: 3082

14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nickel Sulfate Hexahydrate)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nickel Sulfate Hexahydrate)

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Nickel Sulfate Hexahydrate)

14.3. Transport hazard class(es)

ADR-Class: 9

ADR-Label:

ADR - Hazard identification number: 90

IATA-Class: 9

IATA-Label: 9

IMDG-Class: 9

IMDG-Class: Not dangerous for transportation



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- 14.4. Packing group  
ADR-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III
- 14.5. Environmental hazards  
ADR-Environmental Pollutant: Yes  
IMDG-Marine pollutant: Marine Pollutant
- 14.6. Special precautions for user  
Rail (RID): Not dangerous for transportation  
ADR-Subsidiary hazards: -  
ADR-S.P.: 274 335 375 601  
ADR-Transport category (Tunnel restriction code): 3 (-)  
IATA-Passenger Aircraft: 964  
IATA-Subsidiary hazards: -  
IATA-Cargo Aircraft: 964  
IATA-S.P.: A97 A158 A197  
IATA-ERG: 9L  
IMDG-Page:  
IMDG-EmS: F-A , S-F  
IMDG-Subsidiary hazards: -  
IMDG-MFAG:  
IMDG-Stowage and handling: Category A  
IMDG-Segregation: -
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:  
None  
Where applicable, refer to the following regulatory provisions :  
Directive 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)  
  
Provisions related to directive EU 2012/18 (Seveso III):  
Seveso III category according to Annex 1, part 1  
Product belongs to category: E2
- 15.2. Chemical safety assessment  
No Chemical Safety Assessment has been carried out for the mixture.

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### SECTION 16: Other information

Text of phrases referred to under heading 3:

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H350 May cause cancer if inhaled.

H360 May damage fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Resp. Sens. 1	3.4.1/1	Respiratory Sensitisation, Category 1
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Muta. 2	3.5/2	Germ cell mutagenicity, Category 2
Carc. 1A	3.6/1A	Carcinogenicity, Category 1A
Repr. 1B	3.7/1B	Reproductive toxicity, Category 1B
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2, H319	Calculation method

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Resp. Sens. 1, H334	Calculation method
Skin Sens. 1, H317	Calculation method
Muta. 2, H341	Calculation method
Carc. 1A, H350	Calculation method
Repr. 1B, H360	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.

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

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.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

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