

 Copprint	SAFETY DATA SHEET	
LF3XX Product Family	10 th January 2024	Page 1 of 15

Complying with Regulation (EC) No 1272/2008 (CLP) as amended by Commission Regulation (EU) 2020/878.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: LF3XX Product Family

Other means of identification:

Product codes: LF300 LF301 LF302 LF305 LF310 LF311 LF320 LF350 LF360 LF361
LF365 LF370 LF371 LF375 LF380 LF390

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

Relevant identified uses: Screen printing of UHF antennas, HF antennas, sensors, PCBs, PV and heaters.
Uses advised against: Uses other than those described above.

1.3 Details of the supplier of the safety data sheet

Company Name: Copprint Technologies Ltd
Company Address: Bynat building, 3rd floor,
Hartum 19 Jerusalem, 9777518, Israel

Company Tel: +972-52-3254563

Contact Name: Michael Grouchko
E-mail address of person responsible for this SDS: michael@copprint.com

1.4 Emergency telephone number

Emergency telephone number (including hours of operation): +972-52-3254563 (09:00-17:00 GMT+2)

Poison Centre Information: See Section 16 for the full EU list of Poison Centres.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

Product name	GHS Classification
LF3XX Product Family	Serious eye irritation, category 2 Hazardous to the aquatic environment – short-term (acute) aquatic hazard, category 1 H400 Hazardous to the aquatic environment – long-term (chronic) aquatic hazard, category 2 H411

2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms:


Signal word: **WARNING**
Hazard statements: H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements: P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage
P501 - Dispose of contents/container to a suitable disposal site in accordance with local/regional/national/international regulations.

Supplemental Hazard Statements: None known

2.3 Other hazards

This substance/mixture contains Copper which is under development as an endocrine disruptor (Biocidal active substance). There are no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances :
Not applicable

3.2 Mixture :

Product/ Ingredient name	Identifiers	%	Classification 1272/2008/EC	Nano material form	M Factor	Specific conc'n limits (SCL)	Acute toxicity estimate (ATE)
Copper particles capped with a polymer	CAS No 7440-50-8 EC No 231-159-6 REACH No 01- 2119480154- 42-XXXX	Up to 70%	Aquatic Acute 1 H400 Aquatic Chronic 2 H411 (* See note below)	No	1	No SCL in Annex VI	No ATE in Annex VI

Product/ Ingredient name	Identifiers	%	Classification 1272/2008/EC	Nano material form	M Factor	Specific conc'n limits (SCL)	Acute toxicity estimate (ATE)
Diethylene Glycol Mono-butyl Ether	CAS No 112-34-5 EC No 203-961-6 REACH No 01- 2119475104- 44-XXXX	5 - 20%	Eye Irrit. 2 H319	No	1	No SCL in Annex VI	No ATE in Annex VI

* **Note** - This classification is applicable to copper in powder form, with specific surface area (SSA) above 0.67 mm²/mg.

Nanoforms present in product: Not applicable

Occupational exposure limits, if available, are listed in section 8.
See section 16 for the full text of the H and P phrases declared above.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: In case of eye contact, rinse with plenty of water for at least 15 minutes. If irritation from exposure to dust develops, move to fresh air. Get medical attention if symptoms develop.

Skin contact: Wash with water and soap and rinse thoroughly. Seek medical advice if irritation or pain develops.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Seek medical advice.

Ingestion: Do NOT induce vomiting. If spontaneous vomiting occurs, Keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

If any symptoms are observed, contact a physician and give them this SDS sheet. Provide general supportive measures and treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture

None known.

	SAFETY DATA SHEET	
LF3XX Product Family	10th January 2024	Page 4 of 15

Hazardous combustion products:

Decomposition products may include various hydrocarbons, carbon dioxide, carbon monoxide and water. Fumes of metal oxides particles could also be released.

5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate all non-emergency personnel from area. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering.

For emergency responders

Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. For personal protection, see section 8 of the SDS. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not flush into surface water or sanitary sewer system. For waste disposal, see section 13 of the SDS.

6.4 Reference to other sections

See Section 1 for emergency contact information.
 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

Wear closed chemical resistant shoes and gloves during manual handling and storage operations. Use in well ventilated area or under local exhaust. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Store properly in a well ventilated, protected, covered place, at temperature below -10C. Store in original tightly closed container. Store away from incompatible materials such as strong oxidizers, strong acids, peroxides (see section 10).

7.3 Specific end use(s):

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION
8.1 Control parameters
Occupational exposure limit values:

Ingredient name	CAS Number	Occupational exposure limits	Source
Copper	7440-50-8	Short-term value: 2 mg/m ³ (Denmark, France, UK) 0.02 mg/m ³ (Germany) 4 mg/m ³ (Austria, Hungary) 1.5 mg/m ³ (Romania) 0.2 mg/m ³ (Switzerland) Long-term value: 1 mg/m ³ (Austria, Belgium, Denmark, France, Hungary, Ireland, Sweden, UK) 0.01 mg/m ³ (Germany, Spain) 0.2 mg/m ³ (Poland) 0.5 mg/m ³ (Romania) 0.1 mg/m ³ (Switzerland, The Netherlands)	Europe Occupational Exposure Limits (all countries)
Diethylene Glycol Mono-butyl Ether	112-34-5	Short-term value: 15 ppm, 101.2 mg/m ³ (Austria, Belgium, EU, France, Germany, Hungary, Ireland, Italy, Latvia, Poland, Romania, Spain, Sweden, Switzerland, The Netherlands, Turkey, UK) 20 ppm, 136 mg/m ³ (Denmark) Long-term value 10 ppm, 67.5 mg/m ³ (Austria, Belgium, Denmark, EU, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Norway, Poland, Romania, Spain, Sweden, Switzerland, Turkey, UK) 7.4 ppm, 50 mg/m ³ (The Netherlands)	Europe Occupational Exposure Limits (all countries)

Monitoring procedures: Use methods described in European Standards.

Derived No Effect Level (DNEL):
Copper

Application Area	Exposure routes	Health Effect	Value
Workers	Inhalation	Long-term local effects	1 mg/m ³
Workers	Inhalation	Short-term local effects	1 mg/m ³
Workers	Dermal	Long-term systemic effects	137 mg/kg bw/day
Workers	Dermal	Short-term systemic effects	273 mg/kg bw/day
General population	Inhalation	Long-term local effects	1 mg/m ³
General population	Inhalation	Short-term local effects	1 mg/m ³
General population	Dermal	Long-term systemic effects	137 mg/kg bw/day
General population	Dermal	Short-term systemic effects	273 mg/kg bw/day
General population	Oral	Long-term systemic effects	0.041 mg/kg bw/day

Diethylene Glycol Mono-butyl Ether

Application Area	Exposure routes	Health Effect	Value
Workers	Inhalation	Long-term local effects	67.5 mg/m ³
Workers	Inhalation	Short-term local effects	101.2 mg/m ³
General population	Oral	Long-term systemic effects	6.25 mg/kg bw/day

Predicted No Effect Concentration (PNEC):
Copper

Compartment	Value
Fresh water	6.3 µg/L
Marine water	5.2 µg/L
Sewage treatment plant	230 µg/L
Fresh water sediment	87 mg/kg sediment dw
Marine sediment	676 mg/kg sediment dw
Soil	65 mg/kg soil dw

Diethylene Glycol Mono-butyl Ether

Compartment	Value
Fresh water	1.1 mg/L
Marine water	0.11 mg/L
Sewage treatment plant	No hazard identified
Fresh water sediment	4.4 mg/kg sediment dw
Marine sediment	0.44 mg/kg sediment dw
Soil	0.32 mg/kg soil dw
Secondary poisoning for predators	56 mg/kg food

8.2 Exposure controls
Appropriate Engineering Measures

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

If exposure limits have not been established, maintain airborne levels to an acceptable level.

Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Concentrations should be monitored for hazardous substances in the workplace in accordance with recognized test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

Individual protection measures, such as personal protective equipment:

Eye and face protection: Use safety goggles or safety glasses with side shields. Wear appropriate protective eyeglasses or chemical safety goggles in accordance with European Standard EN166.

Skin protection:

Hand protection: Wear appropriate chemical resistant gloves such as Nitrile or Neoprene gloves.

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Other skin protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Wear working boots or shoes covering the feet in their entirety.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a chemical respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State:	Paste
Colour:	Copperish
Odour and odour threshold:	Odourless
Melting point/Freezing point:	-68 °C
Boiling point or initial boiling point and boiling range:	230 °C
Flammability:	Not expected to be flammable
Lower and upper explosion limit::	
Lower (%):	Not determined
Upper (%):	Not determined
Flash point:	> 80°C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	Not determined
Kinematic viscosity:	1000-1000000 cps at 25°C
Solubility:	Miscible
Partition coefficient	
n-octanol/water (log value):	Not determined
Vapour pressure:	< 0.01 mmHg
Density and/or relative density:	2-4.5 gr/ml
Relative vapour density:	> 5.6
Decomposition temperature:	130 °C
Particle characteristics:	Copper submicroparticles (up to 70% of the Cu) – 0.15 µm Copper microparticles (up to 65% of the Cu) – 0.8 - 10 µm
Volatiles:	9 -17 %

9.2 Other information:

Information with Regard to	
Physical Hazard Classes:	None known
Other Safety Characteristics:	None known

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No hazardous reactions anticipated under normal storage and handling conditions.

10.2 Chemical stability

Stable at specified storage temperatures (below -10C).

10.3 Possibility of hazardous reactions

None expected

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Materials to avoid include strong oxidizers, strong acids, peroxides

10.6 Hazardous Decomposition products:

Thermal decomposition can release various hydrocarbons, carbon dioxide, carbon monoxide and water. Fumes of metal oxides particles could also be released.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity: Not expected to cause acute toxicity.

Product/ingredient name	Test	Species	Dose
Copper	LD50 Oral	Rat	300 - 500 mg/kg
	LD50 Dermal	Rat	> 2,000 mg/kg
	LC50 Inhalation	Rat	> 5.11 mg/L 4h
Diethylene Glycol Mono-butyl Ether	LD50 Oral	Mouse	1470 – 3920 mg/kg
	LD50 Dermal	Rabbit	2764 mg/kg
	LC50 Inhalation	Rat	> 29 ppm 2h

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not expected to cause respiratory or skin sensitization.

Germ cell mutagenicity: Not expected to cause genetic defects.

Carcinogenicity: Not expected to cause cancer.

Reproductive toxicity: Not expected to damage fertility or the unborn child.

STOT – Single exposure: Not expected to cause specific target organ toxicity after a single exposure.

STOT – Repeat exposure: Not expected to cause specific target organ toxicity after prolonged or repeated exposure.

Aspiration hazard: This product is not anticipated to be an aspiration hazard if swallowed.

11.2 Information on other hazards:

Endocrine disrupting properties: This substance/mixture contains Copper which is under development as an endocrine disruptor (Biocidal active substance).

Information on other hazards: None known

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity:**

Toxic to aquatic life with long lasting effects.

Substance name	Toxicity to fish / other aquatic invertebrates
Copper	Algae NOEC - Pseudokirchernella subcapitata - 54 µg/L 72h
Diethylene Glycol Mono-butyl Ether	Fish LC50 - Lepomis macrochirus - 1300 mg/L 96h Invertebrates EC50 - Daphnia magna - 1101 mg/L 48h Algae EC50 - Pseudokirchneriella subcapitata - 1101 mg/L 72h

12.2 Persistence and Degradability:

No data available

12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

This substance/mixture contains Copper which is under development as an endocrine disruptor (Biocidal active substance).

12.7 Other adverse effects:

Not determined

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods:****Product**

Dispose of waste materials in accordance with applicable local and national laws and regulations. Where possible, recycling is preferred to disposal or incineration. Contact the proper local authorities.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION**International transport regulations****14.1 UN number:**ADR/RID: UN 3077IMDG: UN 3077IATA: UN 3077**14.2 Proper shipping name:**ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Copper)IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Copper)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Contains Copper)

14.3 Transport hazard class(es)ADR/RID: 9IMDG: 9IATA: 9**14.4 Packing group**ADR/RID: IIIIMDG: IIIIATA: III**14.5 Environmental hazard**

Marine Pollutant: Yes

14.6 Special precautions for user

None known

14.7 Transport to bulk according to Annex II of MARPOL and the IBC Code

Not applicable

Section 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of:

EU Commission Regulation (EU) 2020/878 (REACH)

EU Regulation (EC) No 1272/2008 (CLP)

EINECS: All components in this product are listed on the European Inventory of Existing Chemical Substance

German Ordinance on Facilities Handling Substances that are Hazardous to Water (AwSV):

CHEMICAL	Identification number	WGK (Water hazard class)
Kupfer, Korngröße < 0,074 mm	9696	WGK 2
Diethylenglykolmono-n-butylether	46	WGK 1
PRODUCT		WGK 2

NWG - non-hazardous to water

WGK1 - slightly hazardous to water

WGK2 - obviously hazardous to water

WGK3 - highly hazardous to water.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out on this product.

Section 16: OTHER INFORMATION**Full List of Poison Centres for Section 1.4**

COUNTRY	CONTACT DETAILS
Austria	Vergiftungsinformationszentrale (VIZ) Notruf 0–24 Uhr: 01 406 43 43 Bürozeiten: Montag bis Freitag, 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) Euro-Notruf: 112 Rettung: 144

	<p>Ärztefunkdienst: 141</p>
Belgium	<p>Alle dringende vragen over vergiftigingen: 070 245 245 (gratis, 24/7) *. Indien onbereikbaar tel. 02 264 96 30 (normaal tarief). Vanuit het Groothertogdom Luxemburg kan het Centrum bereikt worden via het nummer 8002 5500 (gratis 24/7).</p> <p>Poison Control Center c/o Military Hospital Queen Astrid, Bruynstraat 1, 1120 Brussels Tel (+32) 02 264 96 36 Fax (+32) 02 264 96 46</p>
Bulgaria	<p>ТЕЛЕФОНЕН НОМЕР ЗА СПЕШНИ СЛУЧАИ Клиника по токсикология Многопрофилна болница за активно лечение и спешна медицина „Н.И. Пирогов“ Телефон за спешни случаи: +359 2 9154 233 Телефонът е активен 24/7 и обаждането към него е безплатно. (Тази информация следва да се посочи в т. 1.4. към ИЛБ)</p>
Croatia	<p>Ksaverska cesta 2, 10000 Zagreb T 01 2348 342 Telephone no +3851 2348 342</p>
Cyprus	<p>ΔΔΑ 1401 (ώρες λειτουργίας 24 ώρες/24ωρο, 7 ημέρες την εβδομάδα).</p>
Czech Republic	<p>Toxikologické informační středisko Na Bojišti 1 120 00 Praha 2 Telefon: +420 224 919 293, +420 224 915 402 Web: www.tis-cz.cz</p>
Denmark	<p>Bispebjerg hospital bispebjerg bakke 23e, opgang 20 c 2400 kbh nv Telefon: (+45) 8212 1212 e-mail: giflinjen@regionh.dk</p>
Estonia	<p>Poison information telephone number (Mürgistusteabekeskuse number) is nationally 16662, calling from abroad (+372) 7943 794 Hotline 16662 of the Poisoning Information Centre is active 24/7. National poison information centre service in Estonia is accessible at www.16662.ee</p>
Finland	<p>Open 24 hours a day 0800 147 111 (the call is free of charge) 09 471 977 (normal price)</p>
France	<p>numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59 Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7.</p>
Germany	<p>BERLIN Giftnotruf der Charité Universitätsmedizin Berlin CBF, Haus VIII (Wirtschaftsgebäude), UG Hindenburgdamm 30 12203 Berlin Tel. 030 - 192 40 (Notruf) Fax 030 - 450 569 901 mail@giftnotruf.de https://giftnotruf.charite.de</p> <p>BONN Informationszentrale gegen Vergiftungen Klinik und Poliklinik für Allgemeine Pädiatrie Zentrum für Kinderheilkunde, Universitätsklinikum Bonn Gebäude 30, ELKI (Eltern-Kind-Zentrum) Venusberg-Campus 1 53127 Bonn Tel. 0228 - 192 40 (Notruf) Tel. 0228 - 287 334 80 (Sekretariat) Fax 0228 - 287 332 78 info@giftzentrale-bonn.de www.giftzentrale-bonn.de</p> <p>ERFURT</p>

Giftnotruf Erfurt Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen c/o HELIOS Klinikum Erfurt
Nordhäuser Straße 74 99089 Erfurt
Tel. 0361 - 730 730
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www.ggiz-erfurt.de

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Vergiftungs-Informations-Zentrale Universitätsklinikum Freiburg Zentrum für Kinder- und Jugendmedizin Breisacher Str. 86b 79110 Freiburg
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giftinfo@uniklinik-freiburg.de
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GÖTTINGEN
Giftinformationszentrum-Nord der Länder Bremen, Hamburg, Niedersachsen und Schleswig-Holstein (GIZNord)
Universitätsmedizin Göttingen - Georg-August-Universität
Robert-Koch-Straße 40, 37075 Göttingen
Tel. 0551 - 192 40 (Notruf)
Fax 0551 - 383 188 1
giznord@giz-nord.de
www.giz-nord.de

MAINZ
Giftinformationszentrum der Länder Rheinland-Pfalz und Hessen
(ab dem 1.4.2021 auch zuständig für das Saarland) - Klinische Toxikologie -
Universitätsmedizin der Johannes Gutenberg-Universität Mainz Langenbeckstraße 1
Gebäude 601 55131 Mainz
Tel. 06131 - 192 40 (Notruf)
Tel. 06131 - 232 466 (Infoline)
Fax 06131 - 232 468
mail@giftinfo.uni-mainz.de
www.giftinfo.uni-mainz.de

MÜNCHEN
Giftnotruf München
Toxikologische Abteilung der II. Med. Klinik und Poliklinik,
rechts der Isar der Technischen Universität München
Ismaninger Straße 22, 81675 München
Tel. 089 - 192 40 (Notruf)
Fax 089 - 414 024 67
tox@lrz.tu-muenchen.de
<https://toxikologie.mri.tum.de/de/giftnotruf-muenchen>

Greece

Poison Information Centre Children's Hospital P&A
Kyriakou Athens 11762 Greece Director Dr P. Neou,
Emergency number: (0030) 2107793777 Fax: 00302107486114
Email: poison_ic@aglaiakyriakou.gr available for consultation 24 hours/day, to medical professionals and the public

Hungary

Cím: 1097 Budapest, Albert Flórián út 2-6.
Sürgősségi információszolgáltatás mérgezés vagy annak gyanúja esetén:
+36 80 201 199 (0-24 órában, díjmentesen hívható – csak Magyarországról)
+36 1 476 6464 (0-24 órában, normál díj ellenében hívható – külföldről is)

Iceland

Tel: [543 2222](tel:5432222) or [112](tel:112) or [543 1000](tel:5431000)
OPIÐ Allán sólarhringinn alla daga

Ireland	National Poisons Information Centre: 353 (1) 809 2166 (8.00 a.m.to 10.00 p.m. 7 days a week). Healthcare Professionals: +353 (1)809 2566 (24-hour service)				
Italy	CAV "Osp. Pediatric Child Jesus" "Department of Emergency and DEA Acceptance	Rome	Piazza Sant'Onofrio, 4	00165	06 68593726
	Az. Osp. Univ. Foggia	Foggia	V.le Luigi Pinto, 1	71122	800183459
	Az. Osp. "A. Cardarelli"	Naples	Via A. Cardarelli, 9	80131	081- 5453333
	CAV Polyclinic "Umberto I"	Rome	V.le del Policlinico, 155	161	06- 49978000
	CAV Polyclinic "A. Gemelli"	Rome	Largo Agostino Gemelli, 8	168	06- 3054343
	Az. Osp. "Careggi" Medical Toxicology Unit	Florence	Largo Brambilla, 3	50134	055- 7947819
	CAV National Center for Toxicological Information	Pavia	Via Salvatore Maugeri, 10	27100	0382- 24444
	Osp. Niguarda Ca 'Granda	Milan	Piazza Maggiore Hospital, 3	20162	02- 66101029
	Papa Giovanni XXII Hospital	Bergamo	OMS Square, 1	24127	800883300
Verona Integrated Hospital	Verona	Piazzale Aristide Stefani, 1	37126	800011858	
Latvia	Valsts ugunsdzēsības un glābšanas dienests, phone number: 112. Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs, Hipokrāta 2, Rīga, Latvija, LV-1038, phone number +371 67042473. Service is available 24 hours.				
Lithuania	+370 (5) 2362052 (free of charge, available 24 hours a day, seven days a week).				
Luxembourg	Toutes les questions urgentes concernant une intoxication: 070 245 245 (gratuit, 24/7) Si pas accessible 02 264 96 30 (tarif normal). Les citoyens et médecins du Grand-Duché de Luxembourg peuvent appeler le 8002-5500 (gratuit 24/7).				
Malta	Ministry for Health 15, Palazzo Castellania, Merchants Street, Valletta, VLT 1171 Telephone 2122 4071				
Netherlands	UMC Utrecht Heidelberglaan 100 3584 CX Utrecht NVIC: +31 (0)88 755 8000:				
Norway	Kontakt Giftinformasjonen hvis uhellet er ute 22 59 13 00				

	Døgnåpen telefon.
Poland	Bureau for Chemical Substances 30/34 Dowborczykow Street, 90-019 Lodz, Poland +48 42 2538 400 E-mail biuro(at)chemikalia.gov.pl https://www.chemikalia.gov.pl/
Portugal	Centro de Informação Antivenenos – CIAV Em caso de intoxicação, ligue 800 250 250 Morada Instituto Nacional de Emergência Médica Rua Almirante Barroso, 36 1000-013 Lisboa Telefone (Secretariado): 213 303 271 Fax: 213 303 275 E-mail: ciav.tox@inem.pt
Romania	Phone number: +40 21 599 2300 (information provided in Romanian and English) Emergency phone number: 021 112 (available 24/7)
Slovakia	NATIONAL TOXICOLOGICAL INFORMATION CENTRE University Hospital Bratislava Limbová 5, 833 05 Bratislava Slovakia +421 2 5477 4166
Slovenia	Phone number: 112
Spain	National Emergency Telephone Number of Spanish Poison Centre: + 34 91 562 04 20 The information will be provided in Spanish (available 24/7): health personnel & general public (poisoning cases).
Sweden	Giftinformationscentralen Swedish Poisons Information Centre S-171 76 Stockholm SWEDEN När det är akut 112 – Begär Giftinformation

Full text of H & P-Statements referred to under sections 2 and 3.

Eye Irrit Eye irritation
Aquatic Acute Hazardous to the aquatic environment – short-term (acute) aquatic hazard
Aquatic Chronic Hazardous to the aquatic environment – long-term (chronic) aquatic hazard

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P391 Collect spillage

P501 Dispose of contents/container to a suitable disposal site in accordance with local/regional/national/international regulations.

Training advice: Before using/handling the product one must read carefully present SDS.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European

CAS: Chemical Abstracts Service (division of the American Chemical Society)

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL:	Derived No Effect Level
EC50:	Half maximal effective concentration
EINECS:	European Inventory of Existing Commercial Chemical Substances
EU:	European Union
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
IATA:	International Air Transport Association
IBC:	International Bulk Code
IMDG:	International Maritime Code for Dangerous Goods
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
MARPOL:	International Convention for the Prevention of Pollution from Ships
OEL:	Occupational Exposure Level
PBT:	Persistent, Bioaccumulative and Toxic
PNEC:	Predicted No Effect Level
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
SCBA:	Self Contained Breathing Apparatus
SCL:	Specific Concentration Limits
UN:	United Nations
VPvB:	Very Persistent and very Bioaccumulative
WEL:	Workplace Exposure Limit

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It is the exclusive responsibility of the recipient of our product to find out the applicable laws, rules, practices and regulations prior to using the product and to comply with them in all respects. You should note that applicable national and international regulations and laws may change from time to time and it is your responsibility to follow such changes.

The contents of this Safety Data Sheet must not be interpreted as a recommendation to use any product in violation of the laws or safety practices.