

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:** ZnSe lenses for high power CO<sub>2</sub> lasers (Duralens™).

**Other means of identification:**

**Identification Code:** These lenses will be recognized by p/n with 5 to 8 numbers.

**CAS Number:** Not applicable

**EC Number:** Not applicable

**REACH No:** Not available

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

**Relevant identified uses:** ZnSe lenses for high power CO<sub>2</sub> lasers (Duralens™).

**Uses advised against:** Uses other than as mentioned above.

**1.3 Details of the supplier of the safety data sheet**

**Company Name:** Ophir Optronics Solutions Ltd

**Company Address:** Hartom 6 Jerusalem

**Company Tel:** + 972-2-5484444

**Contact Name:** Dvir Frankel

**E-mail address of person responsible for this SDS:** Dvir.Frankel@mksinst.com

**1.4 Emergency telephone number**

**Emergency telephone number (including hours of operation):**

24h/24h (Telephone advice: English) +972-52-2286063

**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)

<b>Product name</b>	<b>GHS Classification</b>
<b>ZnSe lenses (Duralens™).</b>	Acute toxicity, Oral, Category 3 Acute toxicity, Inhalation, Category 3 Specific target organ toxicity, Repeated exposure, Category 3 Acute aquatic toxicity Category 1 Chronic aquatic toxicity Category 1

**2.2 Label elements**

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms:



**Signal word:** DANGER

**Hazard statements:** H301+H331 - Toxic if swallowed or if inhaled.  
 H373 - May cause damage to organs through prolonged or repeated exposure  
 H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements:** P260 - Do not breathe dust/fume/gas/mist/ vapours/spray.  
 P273 - Avoid release to the environment.  
 P301+P310+P330 - IF SWALLOWED: Immediately call a POISON CENTER /doctor. Rinse mouth.  
 P304+P340+P311 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor  
 P391 - Collect spillage.  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

**Supplemental Hazard Statements.** None known

**2.3 Other hazards**

This substance/mixture contains no components considered to be an endocrine-disrupting substance, 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 Substance :** Not applicable

**3.2 Mixtures:**

Product/ Ingredient name	Identifiers	%	Classification 1272/2008/EC	Nano material form	M Factor	Specific conc'n limits (SCL)	Acute toxicity estimate (ATE)
Zinc Selenide	CAS No 1315-09-9  EC No 215-259-7  REACH No n/a	~ 99.5%	Acute tox 3 oral H301 Acute tox 3 inhalation H331 STOT RE 2 H373 Aquatic acute 1 H400 Aquatic chronic 1 H410	No	1	No SCL in Annex VI	No ATE in Annex VI

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CO<sub>2</sub> lasers (Duralens™)**20<sup>th</sup> June 2024

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**Nanoforms present in product:**

None known.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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**

**General information:** Consult a doctor for specific advice.

**Eyes contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if worn. Get medical attention immediately.

**Skin contact:** Wash thoroughly with soap and water. Dry area with clean towel. Remove contaminated clothing and wash clothing before re-use.

**Inhalation:** Remove to fresh air. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may administer oxygen. Keep affected person warm and at rest. Obtain medical attention.

**Ingestion:** Do not induce vomiting. Wash out mouth thoroughly with water and give 2 cups of water to drink. Do not give carbonated drinks. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Toxic by ingestion and inhalation of dust, with a cumulative effect. Affects nervous system. Particular care must be exercised when machining and creating dust or particles. Inhalation of dust may irritate respiratory system. May cause damage to organs through prolonged or repeated exposure.

**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.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable extinguishing media: Not flammable. Use an extinguishing agent suitable for surrounding fires such as 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**

Material may evolve toxic fumes in a fire, with decomposition at temperatures greater than 400°C in air and greater than 800°C in an inert atmosphere. The material sublimates into zinc & selenium fumes.

Hazardous combustion products:

Zinc/zinc oxides, Selenium/selenium oxides.

**5.3 Advice for firefighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. 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.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

**For emergency responders**

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

**6.2 Environmental precautions**

Do not allow material to contaminate ground water system. Prevent product from entering drains. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways or air).

**6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

See Section 1 for emergency contact information.

See Section 13 for disposal information.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid all personal contact. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use personal protective equipment as required. Wash thoroughly after handling. Avoid release to the environment.

**INSTRUCTIONS FOR HANDLING BROKEN COATED ZINC SELENIDE ELEMENTS**

Dealing with broken or smashed optical elements presents similar hazards plus the additional danger of skin cuts and punctures produced by the broken substrate material. Any wounds or skin lesions must be cleaned and dressed before any individual continues in the clear up operation. If a component is accidentally smashed, several smaller CLOSED SOURCES are produced from the one large element. Cleaning up should be performed by an operator wearing a disposable mask and gloves, together with a disposable paper coat to prevent any smaller fragments of the element becoming trapped in everyday clothing. Smaller fragments should be gently swept up using a plastic brush and dustpan avoiding the production of airborne dust. Place the broken fragments, dustpan & brush, dust respirator & mask, gloves and paper coat into a cardboard box, which should then be placed into a plastic bag and sealed for disposal.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep away from foodstuffs. Keep away from acids and strong bases.

**7.3 Specific end use(s):**

Optical Material Manufactured as Optical Components.

**SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational exposure limit values:**

Ingredient name	CAS Number	Occupational exposure limits		Source
Zinc selenide	1315-09-9	STEL	No data available	Europe. Indicative occupational exposure limit values
		TWA	No data available	

**Monitoring procedures:** Use methods described in European Standards.

**Derived No Effect Level (DNEL)**

Zinc selenide

No data available

**Predicted No Effect Concentration (PNEC):**

Zinc selenide

No data available

**8.2 Exposure controls**

**Appropriate Engineering Measures**

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate vapours, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Individual protection measures, such as personal protective equipment:**

Eye and face protection:

Safety goggles or safety glasses with side shields are required if there is any possibility of chipping or dust creation. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Hand protection: Protective gloves made of PVA are required. 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. Wash and dry hands.

Other skin protection: Use of a laboratory coat is suggested. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the

respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Thermal hazards:

None known

**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:	Solid.
Colour:	Reddish-yellow geometric shapes
Odour and odour threshold:	No data available
Melting point/Freezing point:	1525°C *
Boiling point or initial boiling point and boiling range:	Not applicable
Flammability:	Not applicable
Lower and upper explosion limit::	
Lower (%):	Not determined
Upper (%):	Not determined
Flash point:	Not applicable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Kinematic viscosity:	No data available
Solubility:	Practically insoluble
Partition coefficient n-octanol/water (log value):	No data available
Vapour pressure:	Negligible at 25°C
Density and/or relative density:	5.27 g/mL
Relative vapour density:	No data available
Particle characteristics:	Not determined

**9.2 Other information:**

Information with Regard to

Physical Hazard Classes: \* Oxidises at 300°C, exhibits plastic deformation at 500°C and dissociates at about 700°C.

Other Safety Characteristics: None known

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

Reacts with strong mineral acids and strong oxidising materials.

**10.2 Chemical stability**

Stable under normal ambient and anticipated conditions of use.

**10.3 Possibility of hazardous reactions**

Hazardous reactions not anticipated under normal temperature and pressures.

**10.4 Conditions to avoid**

Can react with oxidising agents. Avoid strong acids.

**10.5 Incompatible materials**

Strong Mineral Acids. Strong oxidising materials.

**10.6 Hazardous Decomposition products:**

Decomposition product is Hydrogen Selenide gas.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity:**

Toxic by ingestion and inhalation of dust, with a cumulative effect. Affects nervous system. Particular care must be exercised when machining and creating dust or particles. Inhalation of dust may irritate respiratory system.

Acute selenium poisoning produces central nervous system effects, which include nervousness, convulsions, and drowsiness. Other signs of intoxication can include skin eruptions, lassitude, gastrointestinal distress, teeth that are discolored or decayed, odorous ("garlic") breath, and partial loss of hair and nails.

Chronic exposure by inhalation can produce symptoms that include pallor, coating of the tongue, anemia, irritation of the mucosa, lumbar pain, liver and spleen damage, as well as any of the other previously mentioned symptoms. Chronic contact with selenium compounds may cause garlic odor of breath and sweat, dermatitis, and moderate emotional instability.

<b>Product/ingredient name</b>	<b>Test</b>	<b>Species</b>	<b>Dose</b>
Zinc Selenide	LD <sub>50</sub> Oral	Rat	> 5000 mg/kg
	LD <sub>50</sub> Dermal	Rabbit	No data available
	LD <sub>50</sub> Inhalation	Rat	No data available

**Skin corrosion/irritation:** Does not meet requirements for classification.

**Serious eye damage/eye irritation:** Does not meet requirements for classification.

**Respiratory or skin sensitisation:** Does not meet requirements for classification.

**Germ cell mutagenicity:** Does not meet requirements for classification.

**Carcinogenicity:** IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Zinc selenide).

**Reproductive toxicity:** Does not meet requirements for classification.

**STOT - Single exposure:** Does not meet requirements for classification.

**STOT - Repeat exposure:** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard:** Does not meet requirements for classification.

**11.2 Information on other hazards:****Endocrine disrupting properties:** None of the components have endocrine disrupting properties**Information on other hazards:** None known**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity:**

Danger to drinking water. Very toxic to aquatic life with long lasting effects.

<b>Substance name</b>	<b>Toxicity to fish / other aquatic invertebrates</b>
Zinc selenide	No data available

**12.2 Persistence and Degradability:**

This product has not been tested for persistence or biodegradability.

**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**

None known.

**12.7 Other adverse effects:**

Very toxic to aquatic life with long lasting effects. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways

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

Chemical residues are generally classified as special waste, and are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

**Contaminated packaging**

Contaminated packaging may contain traces of the product and therefore should be disposed of in the same way as product.

**SECTION 14: TRANSPORT INFORMATION**



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**International transport regulations**
**14.1 UN number:**
ADR/RID: UN 3283

IMDG: UN 3283

IATA: UN 3283

**14.2 Proper shipping name:**
ADR/RID: SELENIUM COMPOUND, SOLID, N.O.S. (ZINC SELENIDE).

IMDG: SELENIUM COMPOUND, SOLID, N.O.S. (ZINC SELENIDE).

IATA: SELENIUM COMPOUND, SOLID, N.O.S. (ZINC SELENIDE).

**14.3 Transport hazard class(es)**
ADR/RID: 6.1

IMDG: 6.1

IATA: 6.1

**14.4 Packing group**
ADR/RID: III

IMDG: III

IATA: III

**Excepted quantity**
ADR/RID: n/a

IMDG: n/a

IATA: n/a

**14.5 Environmental hazard**

Marine Pollutant: Yes

**14.6 Special precautions for user**

No data available

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

No data available

**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)

**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 Ärztefunkdienst: 141
Belgium	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).  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
Bulgaria	<b>ТЕЛЕФОНЕН НОМЕР ЗА СПЕШНИ СЛУЧАИ</b> Клиника по токсикология Многопрофилна болница за активно лечение и спешна медицина „Н.И. Пирогов“ <b>Телефон за спешни случаи: +359 2 9154 233</b> Телефонът е активен 24/7 и обаждането към него е безплатно. (Тази информация следва да се посочи в т. 1.4. към ИЛБ)
Croatia	Ksaverska cesta 2, 10000 Zagreb T 01 2348 342 Telephone no +3851 2348 342
Cyprus	ΔΔΑ 1401 (ώρες λειτουργίας 24 ώρες/24ωρο, 7 ημέρες την εβδομάδα).
Czech Republic	Toxikologické informační středisko Na Bojišti 1 120 00 Praha 2 Telefon: +420 224 919 293, +420 224 915 402 Web: <a href="http://www.tis-cz.cz">www.tis-cz.cz</a>
Denmark	Bispebjerg hospital bispebjerg bakke 23e, opgang 20 c 2400 kbh nv Telefon: (+45) 8212 1212 e-mail: <a href="mailto:giftlinjen@regionh.dk">giftlinjen@regionh.dk</a>
Estonia	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 <a href="http://www.16662.ee">www.16662.ee</a>
Finland	Open 24 hours a day 0800 147 111 (the call is free of charge) 09 471 977 (normal price)
France	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.
Germany	<b>BERLIN</b> Giftnotruf der Charité Universitätsmedizin Berlin CBF, Haus VIII (Wirtschaftsgebäude), UG Hindenburgdamm 30 12203 Berlin Tel. 030 - 192 40 (Notruf) Fax 030 - 450 569 901 <a href="mailto:mail@giftnotruf.de">mail@giftnotruf.de</a> <a href="https://giftnotruf.charite.de">https://giftnotruf.charite.de</a>  <b>BONN</b> 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 <a href="mailto:info@giftzentrale-bonn.de">info@giftzentrale-bonn.de</a> <a href="http://www.giftzentrale-bonn.de">www.giftzentrale-bonn.de</a>  <b>ERFURT</b>

	<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 Fax 0361 - 730 731 7 ggiz@ggiz-erfurt.de <a href="http://www.ggiz-erfurt.de">www.ggiz-erfurt.de</a></p> <p><b>FREIBURG</b> Vergiftungs-Informations-Zentrale Universitätsklinikum Freiburg Zentrum für Kinder- und Jugendmedizin Breisacher Str. 86b 79110 Freiburg Tel. 0761 - 192 40 (Notruf) Fax 0761 - 270 445 70 giftinfo@uniklinik-freiburg.de <a href="http://www.giftberatung.de">www.giftberatung.de</a></p> <p><b>GÖTTINGEN</b> 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 <a href="http://www.giz-nord.de">www.giz-nord.de</a></p> <p><b>MAINZ</b> 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 <a href="http://www.giftinfo.uni-mainz.de">www.giftinfo.uni-mainz.de</a></p> <p><b>MÜNCHEN</b> 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 <a href="https://toxikologie.mri.tum.de/de/giftnotruf-muenchen">https://toxikologie.mri.tum.de/de/giftnotruf-muenchen</a></p>
Greece	<p>Poison Information Centre Children's Hospital P&amp;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</p>
Hungary	<p>Cím: 1097 Budapest, Albert Flórián út 2-6. Sürgősségi információszolgáltatás mérgezés vagy annak gyanúja esetén:</p>

	+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: <a href="tel:5432222">543 2222</a> or <a href="tel:112">112</a> or <a href="tel:5431000">543 1000</a> OPIÐ Allan 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 <a href="mailto:biuro(at)chemikalia.gov.pl">biuro(at)chemikalia.gov.pl</a> <a href="https://www.chemikalia.gov.pl/">https://www.chemikalia.gov.pl/</a>
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: <a href="mailto:ciav.tox@inem.pt">ciav.tox@inem.pt</a>
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.**

H301	Toxic if swallowed.
H331	Toxic if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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

P260	Do not breathe dust/fume/gas/mist/ vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well ventilated area.
P273	Avoid release to the environment.
P301+P310+P330 IF SWALLOWED: Immediately call a POISON CENTER /doctor. Rinse mouth.	

**ZnSe lenses for high power  
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P304+P340+P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor

P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see section 4 to 8 of this SDS and any additional information on this label).

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/containers to an approved 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:**

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EC50: Half maximal effective concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

M-factor: Multiplying factor used to calculate classifications

ATE: Acute toxicity estimate

n/a: Not Applicable

SCL: Specific concentration limits.

STOT SE: Specific target organ toxicity - single exposure

STOT RE: Specific target organ toxicity - repeated exposure

**Document history**

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