

Material Safety Data Sheet
According to CE 1907/2006/CE Regulation, attachment I

Substance: Glo-Leak

Stand: 04.03.2021, Rev.-Nr. 2.4

<p>1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</p>	
<p>1.1 Product identifier Trade name: UV-GLO-LEAK-C / glo leak refill cartridge 1.6 oz / 9884405 UV-GLO-LEAK-250 / glo leak Fluorescent liquid, content 250 ml. / 9884515 UV-8-KIT / UV lamp kit complete in plastic case / 4667634</p>	
<p>1.2 Relevant identified uses of the substance or mixture and uses advised against Main use category: Ultra Violet Sensitive oil-based Fluorescent additive for industrial use Uses advised against: No additional information available.</p>	
<p>1.3 Details of the supplier of the safety data sheet REFCO Manufacturing Ltd. Industriestrasse 11 6285 Hitzkirch Switzerland Tel. +41 41 919 72 82 Mail: info@refco.ch</p>	
<p>1.4 Emergency telephone number Schweizerisches Toxikologisches Informationszentrum Zurich Telephone number in urgent matters: 145 or +41 44 251 51 51 Not urgent matters: +41 44 251 66 66</p>	
<p>2. HAZARDS IDENTIFICATION</p>	
<p>2.1 Classification of the substance or mixture</p> <p>Classification according to Directive 67/548/EEC or 199/45/EC Not classified.</p> <p>Classification according to Regulation (EC)-No. 1272/2008 (CLP) Not classified.</p>	
<p>2.2 Label elements Labelling according to Regulation (EC)-No. 1272/2008 (CLP): No Labelling applicable.</p>	
<p>2.3 Other hazards Product is a colorant and can stain skin, eyes and/or various articles.</p>	
<p>3. COMPOSITION/INFORMATION ON INGREDIENTS</p>	
<p>Description: Dyestuff in organic solution. Colour Index/Chemical Name: Mixture.</p> <p>This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II.</p>	
<p>4. FIRST AID MEASURES</p>	
<p>First-aid measures general Never give anything by mouth to an unconscious person. In all cases of doubt, or when symptoms persist, seek medical attention.</p>	

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4.1 Description of first aid measures

Inhalation

Take victim to fresh air, in a quiet place and if necessary take medical advice. If unconscious, place in the recovery position and seek medical advice.

Skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Do not remove clothing if it sticks to the skin.

Eye contact

Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion

Rinse mouth out with water. Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects Most important symptoms/effects, acute and delayed: see headings 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire. e.g. Water spray. Dry powder. Carbon dioxide (CO₂). Alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Fire hazard

Not flammable.

Explosion hazard

Product is not explosive.

Hazardous decomposition products in case of fire

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NO_x).

5.3 Advice for fire-fighters

Firefighting instructions

Exercise caution when fighting any chemical fire. Cool tanks/drums with water spray/remove them into safety.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

Other information

Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures

Avoid contact with skin, eyes and clothing. Avoid breathing dust, mist or spray.

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For non-emergency personnel

Protective equipment:

Wear personal protection equipment. Refer to chapter 8.

Emergency procedures:

Provide adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

For emergency responders

Protective equipment

Wear recommended personal protective equipment. Refer to chapter 8.

Emergency procedures

Provide adequate ventilation. Wear suitable respiratory equipment in case of insufficient ventilation. Keep unprotected persons from entering.

6.2 Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

Clean up any spills as soon as possible, using an absorbent material to collect it. Wash away remainder with plenty of water.

6.4 Reference to other sections

See also section 8 & 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling:

Reduce/avoid exposure and/or contact. Keep away from sources of ignition – No smoking.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Do not drink, eat or smoke in the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep away from heat. Protect from freezing. Keep out of the reach of children.

Incompatible materials

Refer to Section 10 on Incompatible Materials.

Storage temperature

Protect from freezing

Information on mixed storage

Keep away from food, drink and animal feeding stuffs.

Storage area:

Store in dry, cool, well-ventilated area.

Packaging materials

Store in original container.

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7.3 Specific end use(s)

No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional information available.

8.2 Exposure controls

Appropriate engineering controls

Ventilate area. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment symbol(s):



Personal protection

Hand protection

Recommended: Chemical resistant gloves (according to European standard NF EN 374 or equivalent), Since the product consists of several substances, it is not possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use

Eye protection

Recommended: Chemical goggles or safety glasses

Skin and body protection

Wear suitable protective clothing

Respiratory protection

No personal breathing protective equipment is normally required. In case of insufficient ventilation, wear suitable respiratory equipment

Thermal hazards

No additional information available

Environmental exposure controls

Avoid release to the environment.

Other information

Use good personal hygiene practices. Keep away from food, drink and animal feeding stuffs. Product is a colorant and can stain skin, eyes and/or various articles.

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9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
Physical state	Liquid.
Appearance	liquid.
Colour	dark yellow
Odour	Perceptible odour.
Odour threshold	No data available.
pH	No data available.
Relative evaporation rate (butylacetate=1)	No data available.
Melting point /freezing point	No data available.
Freezing point	No data available.
Boiling point	No data available.
Flash point	263°C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	≈ 0.97 g/cm ³
Solubility	Water: Insoluble
Partition coefficient n-octanol/water (Log Pow)	No data available.
Viscosity, kinematic	No data available.
Viscosity, dynamic	No data available.
Explosive properties	Presents no particular fire or explosion hazard.
Oxidising properties	does not contain substances with oxidising properties.
9.2 Other information	
No additional information available.	
10. STABILITY AND REACTIVITY	
10.1 Reactivity	
No additional information available	
10.2 Chemical stability	
Stable under normal conditions of use.	
10.3 Possibility of hazardous reactions	
No dangerous reactions known.	
10.4 Conditions to avoid	
High temperature.	
10.5 Incompatible materials	
Oxidizing and reducing agents may destroy the dye.	
10.6 Hazardous decomposition products	
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).	

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11. TOXICOLOGICAL INFORMATION	
11.1 Information on toxicological effects	
Acute toxicity	
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Additional information	The product has not been tested The information is based on the components of the product.
D91055 CHROMATINT FLUORESCENT YELLOW 2155	
LD50 oral rat	> 2000 mg/kg bodyweight
Skin corrosion/irritation	Not classified
Additional information	May cause skin irritation
Serious eye damage/irritation	Not classified
Additional information	May cause eye irritation
Respiratory or skin sensitisation	Not classified
Additional information	No sensitizing effect known
Germ cell mutagenicity	Not classified (Lack of data)
Carcinogenicity	Not classified
Additional information	Contains no ingredient listed as a carcinogen (IARC (International Agency for Research on Cancer), NTP (National Toxicology Program))
Reproductive toxicity	Not classified (Lack of data)
STOT-single exposure	Not classified (Lack of data)
STOT-repeated exposure	Not classified (Lack of data)
Aspiration hazard	Not classified (Lack of data)
12. ECOLOGICAL INFORMATION	
12.1 Toxicity	
Ecology – general:	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Ecology – water:	Insoluble in water.
Hazardous to the aquatic environment short-term(acute):	Not classified
long-term (chronic):	Not classified
Not rapidly degradable	
12.2 Persistence and degradability	
No additional information available	
12.3 Bioaccumulative potential	
No additional information available.	
12.4 Mobility in soil	
No additional information available	
12.5 Results of PBT assessment	
No additional information available	
12.6 Other adverse effects	
No additional information available	

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<p>13. DISPOSAL CONSIDERATIONS</p> <p>13.1 Waste treatment methods <u>Regional legislation (waste):</u> Disposal must be done according to official regulations.</p> <p><u>Sewage disposal recommendations:</u> Do not discharge into drains.</p> <p><u>Product/Packaging disposal recommendations:</u> If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Empty the packaging completely prior to disposal. Remove to an authorized waste treatment plant.waste incinerator.</p> <p><u>Ecology - waste materials</u> Avoid release to the environment.</p>																	
<p>14. TRANSPORT INFORMATION</p> <p>In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA 14.1</p> <p>14.1 UN- Number No dangerous good in sense of transport regulations.</p> <p>14.2 UN proper shipping name: Not applicable.</p> <p>14.3 Transport hazard class(es) Not applicable.</p> <p>14.4 Packing Group Not applicable.</p> <p>14.5 Environmental hazards</p> <table border="0"> <tr> <td>Dangerous for the environment</td> <td>No</td> </tr> <tr> <td>Marine pollutant</td> <td>No</td> </tr> <tr> <td>Other information</td> <td>No supplementary information available</td> </tr> </table> <p>14.6 Special precautions for users</p> <table border="0"> <tr> <td>Overland transport:</td> <td>Not applicable</td> </tr> <tr> <td>Transport by Sea:</td> <td>Not applicable</td> </tr> <tr> <td>Air transport:</td> <td>Not applicable</td> </tr> <tr> <td>Inland waterway transport:</td> <td>Not applicable</td> </tr> <tr> <td>Rail transport:</td> <td>Not applicable</td> </tr> </table> <p>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.</p>		Dangerous for the environment	No	Marine pollutant	No	Other information	No supplementary information available	Overland transport:	Not applicable	Transport by Sea:	Not applicable	Air transport:	Not applicable	Inland waterway transport:	Not applicable	Rail transport:	Not applicable
Dangerous for the environment	No																
Marine pollutant	No																
Other information	No supplementary information available																
Overland transport:	Not applicable																
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Inland waterway transport:	Not applicable																
Rail transport:	Not applicable																
<p>15. REGULATORY INFORMATIONS</p> <p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p>EU-Regulations Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council</p>																	

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of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

National regulations

Water hazard class (WGK): 1 - slightly hazardous to water
WGK remark: Estimated from the components.

15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out

16. OTHER INFORMATION

Abbreviations and acronyms

PBT: Persistent, Bioaccumulative and Toxic
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
LC50: Lethal concentration, 50 percent

Disclaimer

All information in this Safety Data Sheet is believed to be accurate and reliable. However, no guarantee or warranty of any kind is made with regard to the accuracy of information or the suitability of the recommendations contained herein. It is the user's responsibility to assess the safety and toxicity of this product under their own conditions of use and to comply with all applicable laws and regulations.

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