



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

Substance: Glo-Leak

Stand: 01.10.2016, Rev.-Nr. 2.2

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
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
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.
1.3 Details of the supplier of the safety data sheet	
REFCO Manufacturing Ltd. Industriestrasse 11 6285 Hitzkirch Switzerland Ttel. +41 41 919 72 82 Fax + 41 41 919 72 83 Mail: info@refco.ch	
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	
2. HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	
Classification according to Directive 67/548/EEC or 199/45/EC Not classified.	
Classification according to Regulation (EC)-No. 1272/2008 (CLP) Not classified.	
2.2 Label elements	
Labelling according to Regulation (EC)-No. 1272/2008 (CLP):	No Labelling applicable.
2.3 Other hazards	
No additional information available	
3. COMPOSITION/INFORMATION ON INGREDIENTS	
Description:	Dyestuff in organic solution.
Colour Index/Chemical Name:	Mixture.
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II.	
4. FIRST AID MEASURES	
First-aid measures general First Aid, decontamination, treatment of symptoms. In all cases of doubt, or when symptoms persist, seek medical advice. Remove contaminated clothing.	
4.1 Description of first aid measures	
Inhalation When symptoms occur: go into open air and ventilate suspected area. If unconscious, place in the recovery position and seek medical advice. If symptoms due to inhalation of vapour are observed: remove person to fresh air, seek medical advice.	



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Skin contact

Rinse and then wash skin with water and soap. Remove contaminated clothes. 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 thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation:	No symptoms known up to now.
Symptoms/injuries after skin contact:	Staining of the skin. There may be mild irritation at the site of contact.
Symptoms/injuries after eye contact:	Staining of the eyes. There may be irritation.
Symptoms/injuries after ingestion:	There may be irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water spray. Extinguishing powder. Carbon dioxide (CO₂). alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Reactivity

On burning: release of harmful/irritant gases/vapours.

5.3 Advice for fire-fighters

Firefighting instructions

Standard procedure for chemical fires. Cool tanks/drums with water spray/remove them into safety.

Protection during firefighting

Use appropriate respiratory protection.

Other information

Contaminated fire-fighting water must be collected separately.

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/ fume/ gas/mist /vapours/spray. When using do not eat, drink or smoke.

For non-emergency personnel

Protective equipment:

Wear personal protection equipment. Refer to chapter 8.

Emergency procedures:





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

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<p>6.2 Environmental precautions: Prevent entry into sewers, water sources or soil.</p> <p>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.</p> <p>6.4 Reference to other sections See also section 8 & 13.</p>	
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.
Prohibitions on mixed storage:	Keep away from food, drink and animal feedingstuffs.
Storage area:	Ensure adequate ventilation of the storage area. Keep container tightly closed. Store in a cool dry place.
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 protection	
Hand protection	 Wear suitable gloves resistant to chemical penetration (to European standard EN 374 or equivalent), e.g. PVC or nitrile rubber. 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	 Tightly sealed safety glasses.
Skin and body protection	 Wear suitable protective clothing.
Respiratory protection	 With correct and proper use, and under normal conditions, breathing protection is not required.



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Environmental exposure controls Avoid release to the environment.
Other information Keep away from food, drink and animal feedingstuffs.

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.
Melting point /freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	263°C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	No data available.
Vapour density at 20°C	No data available.
Density	No data available.
Solubility (ies)	Water: insoluble.
Partition coefficient: n-octanol/water (log POW)	No data available.
Auto-ignition temperature	Product is not selfigniting.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Product does not present an explosion hazard.
Explosive limits	No data available.
Oxidising properties	No data available.

9.2 Other information
No additional information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity
On burning: release of harmful/irritant gases/vapours.

10.2 Chemical stability
The product is stable at normal handling- and storage conditions.

10.3 Possibility of hazardous reactions
No additional information available.

10.4 Conditions to avoid
High temperatures.

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		
Not classified.		
Substance	Species	Dose
GLO-LEAK UV-FLUORESCENT LEAK TEST FLUID		
<i>Oral</i> LD50	Rat	> 2000 mg/kg
Skin corrosion/irritation:	Not classified.	
Serious eye damage/irritation:	Not classified.	
Respiratory or skin sensitisation:	Not classified.	
Germ cell mutagenicity:	Not classified.	
Carcinogenicity:	Not classified.	
Reproductive toxicity:	Not classified.	
Specific target organ toxicity (single exposure):	Not classified.	
Specific target organ toxicity (repeated exposure):	Not classified.	
Aspiration hazard:	Not classified.	
12. ECOLOGICAL INFORMATION		
12.1 Toxicity		
Ecology – general:	Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.	
Ecology – water:	Insoluble in water.	
12.2 Persistence and degradability		
Persistence and degradability:	No data available.	
12.3 Bioaccumulative potential		
No additional information available.		
12.4 Mobility in soil		
Ecology – soil:	Readily absorbed into soil.	
12.5 Results of PBT assessment		
Results of PBT assessment:	No data available.	
12.6 Other adverse effects		
Other information:	Negligible ecotoxicity.	



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13. DISPOSAL CONSIDERATIONS	
13.1 Waste treatment methods	
Regional legislation (waste):	Observe regulations when disposing.
Sewage disposal recommendations:	Substance must not be discharged into the sewer.
Waste disposal recommendations:	Consider recycling. Remove to an authorized waste incinerator.
14. TRANSPORT INFORMATION	
In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA 14.1	
14.1 UN- Number	
No dangerous good in sense of transport regulations.	
14.2 UN proper shipping name:	
Not applicable.	
14.3 Transport hazard class(es)	
Not applicable.	
14.4 Packing Group	
- Not applicable.	
14.5 Environmental hazards	
Other information:	No supplementary information available.
14.6 Special precautions for users	
Overland transport:	No additional information available.
Transport by Sea:	No additional information available.
Air transport:	No additional information available.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
Not applicable.	
15. REGULATORY INFORMATIONS	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU-Regulations	
No REACH Annex XVII restrictions.	
National regulations	
Water hazard class (WGK):	1 - slightly hazardous to water
WGK remark:	Estimated from the components.
15.2 Chemical safety assessment	
No additional information available.	
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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*** Data compared to the previous version altered.**

The asterisk (*) on the left side indicate the respective changes from the previous version.

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