

MATERIAL SAFETY DATA SHEET

In accordance with Regulation (EC) No.1907/2006 (REACH) and (EC) No.1272/2008 (CLP).

PRODUCT	RG-HLM HIGHLIGHTER
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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION



1.1. Product identifier: RG-HLM Detectable Highlighter, Highlight Marker

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

Uses: Marking ink for use in writing instruments
Not to be used for: -

1.3. Details of the samples of the Safety Data Sheet

Company name: Retreeva Global
Address: Retreeva Global Distribution Centre,
Farthing Road,
Ipswich
IP1 5AP, UK
Telephone number: +44 (01) 473 467 837
Email address: detect@retreevaglobal.com
Website: www.retreevaglobal.com

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified as Hazardous

Most important adverse effects

Human health: See Section 11 for toxicological information.
No further information available.
Physical and See Section 9 for physiochemical information.
Chemical hazards: No further information available.
Potential See Section 12 for environmental information.
Environmental No further information available.
effects:

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard symbols: Not classified as hazardous
Signal word: n/a
Hazard statements: n/a
Precautionary statements
prevention: n/a
Storage: n/a

Date of issue	03/04/2019	Revision No.		Revised by	GB
Authorised by	S. Britton	Document No.		Page 1 of 7	

2.3 Other hazards

Avoid product wetting the skin, mucous membranes and clothing, as it can result in staining that is difficult to remove.

Contains BIT (1,2-benzisothiazol-3(2H)-one) for preservation during storage. May produce an allergic reaction. Avoid contact with skin.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature: mixture
Not classified as hazardous.
For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice: Take off all contaminated clothing immediately.
In case of inhalation: No special measures are necessary
In case of skin contact: Wash off with plenty of water and soap.
In case of eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, seek medical advice.
In case of ingestion: Clean mouth with water and drink afterwards plenty of water. If symptoms persist, seek medical advice.

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

Symptoms: No further information available.
Effects: No further information available.

4.3. Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.
No further information available.

SECTION 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Suitable extinguishing media for the surrounding fire should be used.
Unsuitable extinguishing media: n/a

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: After evaporation of the water, it may emit noxious and toxic fumes if involved in a fire.

5.3. Advice for fire-fighters

Special protective equipment for fire-fighters: Protective equipment suitable for the surrounding fire should be used.
Further information: n/a

Date of issue	03/04/2019	Revision No.		Revised by	GB
Authorised by	S. Britton	Document No.		Page 2 of 7	

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin and eyes. For personal protection see Section 8.
Environment Precautions:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
Method of clean up:	Absorb spilled liquid with diatomaceous earth or other liquid-binding material. Transfer into marked sealable drums for disposal according to local/national regulations (see Section 13). Treat recovered material as described in Section 13.

SECTION 7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Emergency eye wash fountains should be available in the immediate vicinity.
Hygiene	Keep away from food, drink and animal feeding stuffs. Eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the working day. Take off all contaminated clothing immediately. Avoid contact with skin and eyes.
Storage	Store in original container at normal room temperature. Protect against frost. Protect containers against accidental damage. No special protective measures against fire and/or explosion necessary. Keep tightly closed. Keep away from food, drink and animal feeding stuffs.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No control parameters required.

8.2. Exposure controls

Engineering measures

Refer to protective measures listed in Sections 7 and 8.

Personnel Protection measures

Respiratory protection	n/a
Hand protection	Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.
Eye protection	Tightly fitting safety goggles.
General advice	Wear suitable protective clothing.

8.3. Environmental exposure controls

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Various colours, liquid
Odour	Almost odourless
Odour threshold	Not determined
pH	6-7
Melting point	Not determined
Freezing point	Not determined

Date of issue	03/04/2019	Revision No.		Revised by	GB
Authorised by	S. Britton	Document No.		Page 3 of 7	

initial boiling point and range	~100°C
Flash point	Not determined
Evaporation rate	Not determined
Flammability	Not determined
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1,100 g.cm ⁻³
Solubility	Miscible in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	-
Decomposition temperature	Not determined
Viscosity	2 to 4 cP (22°C)
Explosive properties	Not determined
Oxidising properties	Not determined.

9.2 Other information

No further information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Chemical stability	Stable under normal conditions. Will only support combustion if water has been evaporated.
Possibility of hazardous reactions	No hazardous reactions expected.
Conditions to avoid	Avoid excessive heat for prolonged periods of time. Protect from frost.
Incompatible Materials	No information available.
Hazardous decomposition products	No hazardous decomposition products if stored and handled as described.

SECTION 11. TOXICOLOGICAL INFORMATION

No information available.

SECTION 12. ECOLOGICAL INFORMATION

Eco toxicity	No information available.
Persistence and degradability	No information available.
Bioaccumulative Potential	No information available.
Mobility in soil	This product is water soluble and may spread in water systems.
Results of PBT and vPvB assessment	This product does not contain any PBT or vPvB substances.
Other adverse effects	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Date of issue	03/04/2019	Revision No.		Revised by	GB
Authorised by	S. Britton	Document No.		Page	4 of 7

SECTION 13. DISPOSAL INFORMATION

Product	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not empty into drains. Contact waste disposal services.
Contaminated packaging	Empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product.
European Waste Catalogue Number	080308 - aqueous liquid waste containing ink.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

Not classified as hazardous for transport.

14.2. UN proper shipping name

ADR	n/a
RID	n/a
IMDG	n/a

14.3. Transport hazard class(es)

ADR-Class	n/a
(Labels; Classification code; Hazard identification number; tunnel restriction code)	n/a
RID-Class	n/a
(Labels; Classification code; Hazard identification number)	n/a
IMDG-Class	n/a
(Labels; EmS)	n/a

14.4. Packaging group

ADR	n/a
RID	n/a
IMDG	n/a

14.5. Environmental hazards

Labelling according to 5.2.1.8 ADR	No
Labelling according to 5.2.1.8 RID	No
Labelling according to 5.2.1.8 IMDG	No
Classification as environmentally hazardous according 2.9.3 IMDG	No
Classified as 'P' according to 2.10 IMDG	No

14.6. Special precautions for user

Date of issue	03/04/2019	Revision No.		Revised by	GB
Authorised by	S. Britton	Document No.		Page 5 of 7	

n/a

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG

n/a

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No information available

15.2. Chemical safety Assessment

No information available.

SECTION 16. OTHER INFORMATION

16.1. Full text of H-Statements referred to under Sections 2 and 3.

n/a

16.2. Further information

The information provided in this safety data sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

HS Tariff Code: 32159070

This document was prepared on behalf of Retreeva Global and the information included is to the best of our knowledge correct at the time of writing. Retreeva Global offers the information within this document as a guide only, they do not represent any guarantee or warrantee of the prescribed products in the sense of the legal guarantee regulations. It is the responsibility of the end user to ensure the items purchased are suitable for the intended application.

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Retreeva-Global
03/04/2019

Date of issue	03/04/2019	Revision No.		Revised by	GB
Authorised by	S. Britton	Document No.		Page 6 of 7	

Date of issue	03/04/2019	Revision No.		Revised by	GB
Authorised by	S. Britton	Document No.		Page 7 of 7	