

MATERIAL SAFETY DATA SHEET

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

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| 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 Chemical hazards: See Section 9 for physiochemical information.
 No further information available.
 Potential Environmental effects: See Section 12 for environmental information.
 No further information available.

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

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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

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SECTION 6. ACCIDENTAL RELEASE MEASURES

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| 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

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| 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 |

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| 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. |

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SECTION 13. DISPOSAL INFORMATION

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| 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 (Labels; Classification code; Hazard identification number; tunnel restriction code) | n/a |
| RID-Class (Labels; Classification code; Hazard identification number) | n/a |
| IMDG-Class (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 to 2.9.3 IMDG | No |
| Classified as 'P' according to 2.10 IMDG | No |

14.6. Special precautions for user

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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

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Sheena Britton
Technical Compliance Manager
Retreeva-Global
03/04/2019

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