

MATERIAL SAFETY DATA SHEET

PRODUCT RG-HRM HIGHLIGHTER

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION



1.1. Product identifier: RG-HRM Detectable Retractable 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

Classification according to Regulation (EC) No 1272/2008:

Eye irritation (Category 2), H315

Skin irritation (Category 2), H319

For the Full text of the H-Statements mentioned in the Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

XN Irritating to eyes and skin. R36/38

For the Full text of the H-Statements mentioned in the Section, see Section 16.

2.2. Label elements

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



Hazard symbols:

Signal word: Warning.

Hazard statements: H315 Causes skin irritation.
H319 Causes serious eye irritation.

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Precautionary
statements
prevention:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P350 IF ON SKIN : Gently wash with plenty of soap and water.
P305+P351+P338 IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do. Continue rinsing.
P321 Specific treatment.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

Supplemental
Hazard
Statements:

n/a

Labelling according to European Directive 67/548/EEC as amended.

Hazard symbol(s):



R-phrases:

R36/38 Irritating to eyes and skin.

S-phrases:

S24/25 Avoid contact with skin and eyes.
S27/28 After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of ... (to be specified by the manufacturer).
S37/39 Wear suitable gloves and eye/face protection.

2.3. Other hazards

Use by children age 3 and above.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Styrene Acrylonitrile Copolymer

CAS No.: 9003-54-7
EC No.: 618-369-7
%: 35 – 40%

Water

CAS No.: 7732-18-5
EC No.: 231-791-2
%: 28 - 29.6

1,2-Dibromo-2,4- Dicyanobutane

CAS No.: 35691-65-7
EC No.: 252-681-0
%: 0.05 - 0.1

Glycerin

CAS No.: 35691-65-7
EC No.: 252-681-0
%: 0.05 - 0.1

Basic Yellow 40

CAS No.: 12221-86-2
EC No.: 602-174-9
%: 0.1 - 0.2

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Disperse Yellow 82

CAS No.: 12239-58-6

EC No.: 248-451-4

%: 0.05 - 0.1

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

In case of inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact: Wash off with plenty of water and soap.

In case of skin contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, seek medical advice.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In case of ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3. Indication of immediate medical attention and special treatment needed

No data available

SECTION 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x)

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4. Further information

No data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

6.2. Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers

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for disposal.

6.4. Reference to other sections

For disposal see section 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

No data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Components with workplace control parameters.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personnel Protection measures

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: Impervious clothing, 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 Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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).

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 Yellow Liquid
Odour Polymer-like
Odour threshold No data available

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pH	4.5-7
Melting point	No data available
Freezing point	No data available
Initial boiling point and range:	95 - 100 °C
Flash point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	40 - 60 hPa at 20°C
Vapour density:	No data available
Relative density:	1.04 - 1.12 at 20°C
Water Solubility:	No data available
Partition coefficient n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature:	No data available
Viscosity	4.5 ~ 6.5 cps at 25 °C
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

No further information available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Other decomposition products - no data available

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: LD50 Oral - mouse - 2150 mg/kg. All materials if swallowed in large amounts have the cause injury.

Skin corrosion/irritation: May cause only minimal skin irritation. Yellow dye may cause skin irritation.

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Serious eye damage/
eye irritation: May cause slight transient eye irritation. Yellow dye may cause eye irritation.
Respiratory or skin
Sensitisation: Yellow dye may cause an allergic skin reaction.
Germ cell mutagenicity: No data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: No data available
Specific target organ
toxicity - single exposure: No data available
Specific target organ
toxicity – repeated
exposure: No data available
Aspiration hazard: No data available
Additional Information: No data available

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6. Other adverse effects

No data available

SECTION 13. DISPOSAL INFORMATION

13.1. Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

ADR/RID: -

IMDG: -

IATA: -

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14.2. UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3. Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4. Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5. Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

14.6. Special precautions for user

No data available

SECTION 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and Regulation (EC) 1272/2008.

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

No data available.

15.2. Chemical safety Assessment

No data available.

SECTION 16. OTHER INFORMATION

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Full text of R-phrases referred to under sections 2 and 3:

R36/38 Irritating to eyes and skin.

Further information:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Institute for Health and Consumer Protection (IHCP).

European Chemicals Agency (ECHA).

ChemIDplus Lite.

Chemicals Information System (NCIS).

U.S. Environmental Protection Agency.

United States National Library of Medicine (NLM).

International Agency for Research on Cancer (IARC).

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Incorporated Administrative Agency National Institute of Technology and Evaluation. (NITE).
MSDS (that was written from the raw material manufacturers.)

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
30/05/2024

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