

SAFETY DATA SHEET

Section 1: Identification

1.1 Product Identifier

Product Name: **EY-20™ Reagent Tubes**

Product Number: **13-020-50**

Company: EY Laboratories, Inc.

IUPAC name: not determined

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

Identified uses: For professional use only

1.3 Details of the supplier of the safety data sheet

Company: EY Laboratories, Inc.

Address: 107 North Amphlett Blvd San Mateo, CA. 94401 USA

1.4 Emergency Telephone Number: + 1 650 3423296

Section 2: Hazard(s) Identification

2.1 Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Carcinogenicity (Category 1B), H350

Full text of hazard statements: see SECTION 16.

2.2 Label Elements:

Signal Word(s): Danger

Hazard Statements:

H350 May cause cancer.

Pictograms:



Precautionary Statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

Section 3: Composition/ Information on Ingredients

3.2 Mixtures

Fast Garnet with Glucose mixture in powder format.

| Chemical Name | CAS-No | Content | Classification |
|--|----------|---------|--|
| Fast Garnet GBC sulfate salt Formula : C ₁₄ H ₁₄ N ₄ O ₄ S Molecular weight : 334.35 g/mol EC-No. : 202-985-4 | 101-89-3 | ~0.5% | Classification Carc. 1B; H350 Concentration ≤ 100 % |
| Glucose Formula : C ₆ H ₁₂ O ₆ Molecular weight : 180.16 g/mol EC-No. : 200-075-1 | 50-99-7 | ~98.5% | None |

Section 4: First-Aid Measures

4.1 Description of first-aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air. Call in physician.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

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

See section 2.2 and/or Section 11

4.3. Indication of any immediate medical attention and special treatment needed

No information available

Section 5: Fire-Fighting Measures

5.1. Extinguishing media**Unsuitable extinguishing media**

No information available.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system

Section 6: Accidental Release Measures**6.1. Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area.

Avoid generation of dusts.

6.4 Reference to other sections

Disposal: see section 13

Section 7: Handling and Storage

**7.1 Precautions for safe handling****Advice on safe handling**

Work under hood. Do not inhale substance/mixture.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance, see section 2.2. for precautions

7.2. Conditions for safe storage, including any incompatibilities**Storage conditions**

Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Storage stability

Recommended storage temperature

2 - 8 °C

Storage class

Storage class (TRGS 510): 6.1D: Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

7.3. Specific end use(s)

For Laboratory use only, Laboratory testing.

Section 8: Exposure Controls/Personal Protection**8.1. Control parameters****Additional advice on limit values**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls**Appropriate engineering controls**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Individual protection measures, such as personal protective equipment**Eye glasses with side protection**

Suitable eye protection: goggles

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

Hand Protection

Wear protective gloves.

Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Protective clothing. 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.

Body Protection

Protective clothing

Respiratory protection

Required when dusts are generated

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.:

Self-contained respirator (breathing apparatus)

Combination filtering device

Thermal hazards

No information available.

Environmental exposure controls

Do not let product enter drains.

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state: powder
Color: pink or light red orange
Odor: This information is not available.
Odor threshold: This information is not available.

Changes in the physical state

Melting point/freezing point: No data available
Boiling point or initial boiling point and No data available
boiling range:
Sublimation point: No data available
Softening point: No data available
Pour point: No data available
Flash point: No data available
No data available

Explosive properties

Lower explosion limits: No data available
Upper explosion limits: No data available
Auto-ignition temperature: No data available

Decomposition temperature: No data available
pH-Value: No data available
Viscosity / dynamic: No data available
Viscosity / kinematic: No data available
Water solubility: No data available
Partition coefficient n-octanol/water: No data available
Vapour pressure: No data available
Density: No data available
Bulk density: No data available
Relative vapour density: No data available

9.2. Other information**Further Information**

No data available

Section 10: Stability and Reactivity

**10.1. Reactivity**

No data available

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents, Strong bases

10.6. Hazardous decomposition products

In the event of fire: see section 5

Section 11: Toxicological Information**11.1 Information on toxicological effects****Acute toxicity**

Oral: No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

Remarks: No data available

Serious eye damage/eye irritation

Remarks: No data available

Respiratory or skin sensitization

No data available

**Germ cell mutagenicity**

No data available

Carcinogenicity

Possible human carcinogen with component Fast Garnet GBC. Exercise caution when working with this product because of the possible in vivo conversion with Fast Garnet GBC.

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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

11.2 Additional Information

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

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 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No data available

Section 13: Disposal Considerations**13.1 Waste treatment methods****Product**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

Section 14: Transport Information**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations.

Section 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Chronic Health Hazard

Section 16: Other Information**Hazard Statement(s):****Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification - Carc. 1B

Classification procedure - H350 Calculation method

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

H350 May cause cancer.

H351 Suspected of causing cancer.

H411 Toxic to aquatic life with long lasting effects.

Further Information:

The information herein is provided in good faith and is correct to the best of our knowledge but makes no representation for completeness or accuracy. The safety data sheet is intended for use only as a guide for the appropriate precautionary handling of material by trained personnel only. EY Laboratories, Inc. will not be held liable for any losses, injury or damage that may result from use.

SDS date of preparation/update:

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