

Material Safety Data Sheet

FlashGel™ RNA Marker 0.5 kb - 9 kb

Version 1.0

Revision Date 2014.06.24

Print Date 2014.09.10

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FlashGel™ RNA Marker 0.5 kb - 9 kb
Material number : 50577
Product Use Description : Scientific research and development

Company : **Lonza Inc. - Rockland**
191 Thomaston Street
Rockland, ME 04841-2994
USA
Business Telephone: (207) 594-3400

Lonza Inc. - Walkersville
8830 Biggs Ford Road
Walkersville, MD 21793-0127
USA
Business Telephone (301) 898-7025

Emergency telephone number : 703-527-3887 (US: 800-424-9300)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview****Non-hazardous substance**

Form: Aqueous solution, Colour: no data available, Odour: no data available

OSHA Hazards : NO OSHA HAZARDS

Potential Health Effects

Primary Routes of Entry : No hazards to be specially mentioned.

Aggravated Medical Condition : No hazards to be specially mentioned.

Inhalation : No hazards resulting from the material as supplied.

Skin : No hazards resulting from the material as supplied.

Eyes : No hazards resulting from the material as supplied.

Ingestion : No hazards resulting from the material as supplied.

Symptoms of Overexposure : No information available.

Material Safety Data Sheet

FlashGel™ RNA Marker 0.5 kb - 9 kb

Version 1.0

Revision Date 2014.06.24

Print Date 2014.09.10

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.

SECTION 4. FIRST AID MEASURES

First aid procedures

- | | | |
|--------------|---|--|
| Inhalation | : | No special precautions required. |
| Skin contact | : | Wash with water and soap as a precaution. If skin irritation persists, call a physician. |
| Eye contact | : | Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist. |
| Ingestion | : | Immediately give large quantities of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |

Notes to physician

- | | | |
|-----------|---|---------------------------|
| Symptoms | : | No information available. |
| Treatment | : | No information available. |

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

- | | | |
|-------------|---|-------------------------|
| Flash point | : | Remarks: does not flash |
|-------------|---|-------------------------|

Fire fighting

- | | | |
|------------------------------|---|--|
| Suitable extinguishing media | : | Water spray Dry powder Foam |
| Further information | : | Use water spray to cool unopened containers. |

Protective equipment and precautions for firefighters

- | | | |
|--------------------------------------|---|--|
| Specific hazards during firefighting | : | Heating or fire can release toxic gas. |
| Special protective equipment | : | In the event of fire, wear self-contained breathing apparatus. |

Material Safety Data Sheet

FlashGel™ RNA Marker 0.5 kb - 9 kb

Version 1.0

Revision Date 2014.06.24

Print Date 2014.09.10

for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
- Environmental precautions : Prevent product from entering drains.
- Methods for containment /
Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Handling

- Handling : No special precautions required.
- Advice on protection against
fire and explosion : Take precautionary measures against static discharges.

Storage

- Requirements for storage
areas and containers : No special storage conditions required.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

Engineering measures

- Engineering measures : Avoid splashes.

Personal protective equipment

- Eye protection : Tightly fitting safety goggles
- 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).
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
No special protective equipment required.

Material Safety Data Sheet

FlashGel™ RNA Marker 0.5 kb - 9 kb

Version 1.0

Revision Date 2014.06.24

Print Date 2014.09.10

| | |
|------------------------|--|
| Respiratory protection | : No personal respiratory protective equipment normally required. |
| Hygiene measures | : Handle in accordance with good industrial hygiene and safety practice. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|--------|---------------------|
| Form | : Aqueous solution |
| Colour | : no data available |
| Odour | : no data available |

Safety data

| | |
|-----------------------------|---------------------------|
| Flash point | : Note: does not flash |
| pH | : Note: no data available |
| Freezing point | : Note: no data available |
| Boiling point/boiling range | : Note: no data available |
| Density | : Note: no data available |
| Water solubility | : Note: soluble |

SECTION 10. STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Conditions to avoid | : Remarks: no data available |
| Materials to avoid | : Remarks: Strong oxidizing agents |
| Hazardous decomposition products | : Note: No decomposition if stored normally. |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|---------------------|---|
| Further information | : No data is available on the product itself. |
|---------------------|---|

SECTION 12. ECOLOGICAL INFORMATION

| | |
|------------------|------------|
| Biodegradability | : Remarks: |
|------------------|------------|

Material Safety Data Sheet

FlashGel™ RNA Marker 0.5 kb - 9 kb

Version 1.0

Revision Date 2014.06.24

Print Date 2014.09.10

| | |
|-----------------------------------|---------------------------------|
| | no data available |
| Bioaccumulation | : Remarks: no data available |
| Acute Fish toxicity | : Remarks: no data available |
| Additional ecological information | : no data available |

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Can be disposed as waste water, when in compliance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT
Not dangerous goods

TDG
Not dangerous goods

IATA
Not dangerous goods

IMDG-CODE
Not dangerous goods

RID
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards
WHMIS Classification : UP UP: Uncontrolled product

TSCA Status : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

DSL Status : All ingredients in this product are in compliance with the Canadian Domestic Substance List.

SARA 311/312 Hazards : No SARA Hazards

Material Safety Data Sheet

FlashGel™ RNA Marker 0.5 kb - 9 kb

Version 1.0

Revision Date 2014.06.24

Print Date 2014.09.10

EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW

SARA 313 Components : SARA 313: 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.

US State Regulations

Massachusetts Right To Know Components : No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components : Water 7732-18-5

New Jersey Right To Know Components : Water 7732-18-5

California Prop. 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 1
Flammability: 0
Physical hazards: 0
Reactivity: 0

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by : Product Safety Americas
Email: regcomamer@lonza.com