

SAFETY DATA SHEET



Agilent High Sensitivity DNA Reagents, Part Number 5067-4627

Section 1. Identification

1.1 Product identifier

Product name : Agilent High Sensitivity DNA Reagents, Part Number 5067-4627
Part no. (chemical kit) : 5067-4627
Part no. : High Sensitivity DNA Reagent Kit I G2938-85004
 High Sensitivity DNA Markers Not available.
 High Sensitivity DNA Gel Matrix Not available.
 High Sensitivity DNA Dye Not available.
 High Sensitivity DNA Ladder Not available.

Validation date : 1/29/2021

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

Material uses : For Research Use Only. Not for use in diagnostic procedures.
 High Sensitivity DNA Markers 2 x 400 µl
 High Sensitivity DNA Gel Matrix 2 x 300 µl
 High Sensitivity DNA Dye 1 x 40 µl
 High Sensitivity DNA Ladder 1 x 20 µl

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

| | |
|---|--|
| OSHA/HCS status : High Sensitivity DNA Markers | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| High Sensitivity DNA Gel Matrix | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| High Sensitivity DNA Dye | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| High Sensitivity DNA Ladder | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |

Classification of the substance or mixture

Section 2. Hazards identification

High Sensitivity DNA Dye

| | | |
|------|---------------------------------|--|
| H227 | FLAMMABLE LIQUIDS - Category 4 | |
| H320 | EYE IRRITATION - Category 2B | |
| | High Sensitivity DNA Gel Matrix | Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 6.5% |

2.2 GHS label elements

Signal word

| | |
|---------------------------------|-----------------|
| High Sensitivity DNA Markers | No signal word. |
| High Sensitivity DNA Gel Matrix | No signal word. |
| High Sensitivity DNA Dye | Warning |
| High Sensitivity DNA Ladder | No signal word. |

Hazard statements

| | |
|---------------------------------|---|
| High Sensitivity DNA Markers | No known significant effects or critical hazards. |
| High Sensitivity DNA Gel Matrix | No known significant effects or critical hazards. |
| High Sensitivity DNA Dye | H227 - Combustible liquid. H320 - Causes eye irritation. |
| High Sensitivity DNA Ladder | No known significant effects or critical hazards. |

Precautionary statements

Prevention

| | |
|---------------------------------|---|
| High Sensitivity DNA Markers | Not applicable. |
| High Sensitivity DNA Gel Matrix | Not applicable. |
| High Sensitivity DNA Dye | P210 - Keep away from flames and hot surfaces. No smoking. |
| High Sensitivity DNA Ladder | Not applicable. |

Response

| | |
|---------------------------------|---|
| High Sensitivity DNA Markers | Not applicable. |
| High Sensitivity DNA Gel Matrix | Not applicable. |
| High Sensitivity DNA Dye | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| High Sensitivity DNA Ladder | Not applicable. |

Storage

| | |
|---------------------------------|---|
| High Sensitivity DNA Markers | Not applicable. |
| High Sensitivity DNA Gel Matrix | Not applicable. |
| High Sensitivity DNA Dye | P403 + P235 - Store in a well-ventilated place. Keep cool. |

Disposal

| | |
|---------------------------------|--|
| High Sensitivity DNA Ladder | Not applicable. |
| High Sensitivity DNA Markers | Not applicable. |
| High Sensitivity DNA Gel Matrix | Not applicable. |
| High Sensitivity DNA Dye | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |

Supplemental label elements

| | |
|---------------------------------|-----------------|
| High Sensitivity DNA Ladder | Not applicable. |
| High Sensitivity DNA Markers | None known. |
| High Sensitivity DNA Gel Matrix | None known. |
| High Sensitivity DNA Dye | None known. |
| High Sensitivity DNA Ladder | None known. |

2.3 Other hazards

Hazards not otherwise classified

| | |
|---------------------------------|-------------|
| High Sensitivity DNA Markers | None known. |
| High Sensitivity DNA Gel Matrix | None known. |
| High Sensitivity DNA Dye | None known. |
| High Sensitivity DNA Ladder | None known. |

Section 3. Composition/information on ingredients

| | | | |
|--------------------------|---|---------------------------------|---------|
| Substance/mixture | : | High Sensitivity DNA Markers | Mixture |
| | | High Sensitivity DNA Gel Matrix | Mixture |
| | | High Sensitivity DNA Dye | Mixture |
| | | High Sensitivity DNA Ladder | Mixture |

| Ingredient name | % | CAS number |
|---|-----|------------|
| High Sensitivity DNA Dye Dimethyl sulfoxide | ≥90 | 67-68-5 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

| | | | |
|--------------------|---|---------------------------------|--|
| Eye contact | : | High Sensitivity DNA Markers | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | | High Sensitivity DNA Gel Matrix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | | High Sensitivity DNA Dye | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| | | High Sensitivity DNA Ladder | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| Inhalation | : | High Sensitivity DNA Markers | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | | High Sensitivity DNA Gel Matrix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| | | High Sensitivity DNA Dye | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

Section 4. First aid measures

| | | |
|---------------------|---------------------------------|---|
| | High Sensitivity DNA Ladder | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | : High Sensitivity DNA Markers | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | High Sensitivity DNA Gel Matrix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | High Sensitivity DNA Dye | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | High Sensitivity DNA Ladder | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | : High Sensitivity DNA Markers | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| | High Sensitivity DNA Gel Matrix | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| | High Sensitivity DNA Dye | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| | High Sensitivity DNA Ladder | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

| | | |
|---------------------|--|--|
| Eye contact | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. Causes eye irritation. No known significant effects or critical hazards. |
| Inhalation | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Skin contact | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Ingestion | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | | |
|---------------------|--|---|
| Eye contact | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific data. No specific data. Adverse symptoms may include the following: irritation watering redness No specific data. |
| Inhalation | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific data. No specific data. No specific data. No specific data. |
| Skin contact | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific data. No specific data. No specific data. No specific data. |
| Ingestion | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific data. No specific data. No specific data. No specific data. |

4.3 Indication of immediate medical attention and special treatment needed, if necessary

| | | |
|----------------------------|--|--|
| Notes to physician | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific treatment. No specific treatment. No specific treatment. No specific treatment. |

Section 4. First aid measures

| | | |
|-----------------------------------|---------------------------------|--|
| Protection of first-aiders | : High Sensitivity DNA Markers | No action shall be taken involving any personal risk or without suitable training. |
| | High Sensitivity DNA Gel Matrix | No action shall be taken involving any personal risk or without suitable training. |
| | High Sensitivity DNA Dye | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | High Sensitivity DNA Ladder | No action shall be taken involving any personal risk or without suitable training. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

| | | |
|---------------------------------------|---------------------------------|--|
| Suitable extinguishing media | : High Sensitivity DNA Markers | Use an extinguishing agent suitable for the surrounding fire. |
| | High Sensitivity DNA Gel Matrix | Use an extinguishing agent suitable for the surrounding fire. |
| | High Sensitivity DNA Dye | Use dry chemical, CO ₂ , water spray (fog) or foam. |
| | High Sensitivity DNA Ladder | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : High Sensitivity DNA Markers | None known. |
| | High Sensitivity DNA Gel Matrix | None known. |
| | High Sensitivity DNA Dye | Do not use water jet. |
| | High Sensitivity DNA Ladder | None known. |

5.2 Special hazards arising from the substance or mixture

| | | |
|---|---------------------------------|--|
| Specific hazards arising from the chemical | : High Sensitivity DNA Markers | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | High Sensitivity DNA Gel Matrix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | High Sensitivity DNA Dye | Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. |
| | High Sensitivity DNA Ladder | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products | : High Sensitivity DNA Markers | No specific data. |
| | High Sensitivity DNA Gel Matrix | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides |
| | High Sensitivity DNA Dye | Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides |
| | High Sensitivity DNA Ladder | No specific data. |

Section 5. Fire-fighting measures

5.3 Advice for firefighters

Special protective actions for fire-fighters

- : High Sensitivity DNA Markers
- High Sensitivity DNA Gel Matrix
- High Sensitivity DNA Dye

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

- High Sensitivity DNA Ladder

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

- : High Sensitivity DNA Markers
- High Sensitivity DNA Gel Matrix
- High Sensitivity DNA Dye
- High Sensitivity DNA Ladder

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- : High Sensitivity DNA Markers
- High Sensitivity DNA Gel Matrix
- High Sensitivity DNA Dye

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in

Section 6. Accidental release measures

High Sensitivity DNA Ladder

hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : High Sensitivity DNA Markers

High Sensitivity DNA Gel Matrix

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

High Sensitivity DNA Dye

High Sensitivity DNA Ladder

6.2 Environmental precautions

: High Sensitivity DNA Markers

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

High Sensitivity DNA Gel Matrix

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

High Sensitivity DNA Dye

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

High Sensitivity DNA Ladder

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : High Sensitivity DNA Markers

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

High Sensitivity DNA Gel Matrix

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.

Section 6. Accidental release measures

High Sensitivity DNA Dye

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

High Sensitivity DNA Ladder

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

: High Sensitivity DNA Markers

Put on appropriate personal protective equipment (see Section 8).

High Sensitivity DNA Gel Matrix

Put on appropriate personal protective equipment (see Section 8).

High Sensitivity DNA Dye

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

High Sensitivity DNA Ladder

Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

: High Sensitivity DNA Markers

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.


High Sensitivity DNA Gel Matrix

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

High Sensitivity DNA Dye

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and

Section 7. Handling and storage

| | | |
|--|---|---|
| | High Sensitivity DNA Ladder | <p>processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p> |
| <p>7.2 Conditions for safe storage, including any incompatibilities</p> | <p>:  High Sensitivity DNA Markers</p> | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| | High Sensitivity DNA Gel Matrix | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| | High Sensitivity DNA Dye | <p>Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| | High Sensitivity DNA Ladder | <p>Storage temperature: 4°C (39.2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled</p> |

Section 7. Handling and storage

containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

| | | |
|---|--|--|
| Recommendations | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. Industrial applications, Professional applications. |
| Industrial sector specific solutions | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | Not available. Not available. Not available. Not available. |

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|--|--|
| High Sensitivity DNA Dye Dimethyl sulfoxide | AIHA WEEL (United States, 7/2018). TWA: 250 ppm 8 hours. |

8.2 Exposure controls

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | | | |
|----------------------------------|---|---------------------------------|-----------------------------|
| Physical state | : | High Sensitivity DNA Markers | Liquid. |
| | | High Sensitivity DNA Gel Matrix | Liquid. |
| | | High Sensitivity DNA Dye | Liquid. |
| | | High Sensitivity DNA Ladder | Liquid. |
| Color | : | High Sensitivity DNA Markers | Not available. |
| | | High Sensitivity DNA Gel Matrix | Not available. |
| | | High Sensitivity DNA Dye | Not available. |
| | | High Sensitivity DNA Ladder | Not available. |
| Odor | : | High Sensitivity DNA Markers | Odorless. |
| | | High Sensitivity DNA Gel Matrix | Odorless. |
| | | High Sensitivity DNA Dye | Slight |
| | | High Sensitivity DNA Ladder | Odorless. |
| Odor threshold | : | High Sensitivity DNA Markers | Not available. |
| | | High Sensitivity DNA Gel Matrix | Not available. |
| | | High Sensitivity DNA Dye | Not available. |
| | | High Sensitivity DNA Ladder | Not available. |
| pH | : | High Sensitivity DNA Markers | 6.5 to 8 |
| | | High Sensitivity DNA Gel Matrix | Not available. |
| | | High Sensitivity DNA Dye | Not available. |
| | | High Sensitivity DNA Ladder | 7.6 |
| Melting point | : | High Sensitivity DNA Markers | 0°C (32°F) |
| | | High Sensitivity DNA Gel Matrix | Not available. |
| | | High Sensitivity DNA Dye | 18.4°C (65.1°F) |
| | | High Sensitivity DNA Ladder | 0°C (32°F) |
| Boiling point | : | High Sensitivity DNA Markers | 100°C (212°F) |
| | | High Sensitivity DNA Gel Matrix | Not available. |
| | | High Sensitivity DNA Dye | 189°C (372.2°F) |
| | | High Sensitivity DNA Ladder | 100°C (212°F) |
| Flash point | : | High Sensitivity DNA Markers | Not available. |
| | | High Sensitivity DNA Gel Matrix | Not available. |
| | | High Sensitivity DNA Dye | Closed cup: 89°C (192.2°F) |
| | | High Sensitivity DNA Ladder | Closed cup: Not applicable. |
| Evaporation rate | : | High Sensitivity DNA Markers | Not available. |
| | | High Sensitivity DNA Gel Matrix | Not available. |
| | | High Sensitivity DNA Dye | Not available. |
| | | High Sensitivity DNA Ladder | Not available. |
| Flammability (solid, gas) | : | High Sensitivity DNA Markers | Not applicable. |
| | | High Sensitivity DNA Gel Matrix | Not applicable. |
| | | High Sensitivity DNA Dye | Not applicable. |
| | | High Sensitivity DNA Ladder | Not applicable. |

Section 9. Physical and chemical properties

| | | |
|---|---------------------------------|--|
| Lower and upper explosive (flammable) limits | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not available. |
| | High Sensitivity DNA Dye | Lower: 2.6% Upper: 42 to 63% |
| | High Sensitivity DNA Ladder | Not available. |
| Vapor pressure | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not available. |
| | High Sensitivity DNA Dye | 0.056 kPa (0.42 mm Hg) [room temperature] |
| | High Sensitivity DNA Ladder | Not available. |
| Vapor density | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not available. |
| | High Sensitivity DNA Dye | 2.7 [Air = 1] |
| | High Sensitivity DNA Ladder | Not available. |
| Relative density | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not available. |
| | High Sensitivity DNA Dye | 1.1 |
| | High Sensitivity DNA Ladder | Not available. |
| Solubility | : High Sensitivity DNA Markers | Easily soluble in the following materials: cold water and hot water. |
| | High Sensitivity DNA Gel Matrix | Easily soluble in the following materials: cold water and hot water. |
| | High Sensitivity DNA Dye | Easily soluble in the following materials: cold water and hot water. |
| | High Sensitivity DNA Ladder | Easily soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-octanol/water | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not available. |
| | High Sensitivity DNA Dye | Not available. |
| | High Sensitivity DNA Ladder | Not available. |
| Auto-ignition temperature | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not applicable. |
| | High Sensitivity DNA Dye | Not available. |
| | High Sensitivity DNA Ladder | Not applicable. |
| Decomposition temperature | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not available. |
| | High Sensitivity DNA Dye | Not available. |
| | High Sensitivity DNA Ladder | Not available. |
| Viscosity | : High Sensitivity DNA Markers | Not available. |
| | High Sensitivity DNA Gel Matrix | Not available. |
| | High Sensitivity DNA Dye | Not available. |
| | High Sensitivity DNA Ladder | Not available. |

Section 10. Stability and reactivity

| | | |
|--------------------------------|---------------------------------|--|
| 10.1 Reactivity | : High Sensitivity DNA Markers | No specific test data related to reactivity available for this product or its ingredients. |
| | High Sensitivity DNA Gel Matrix | No specific test data related to reactivity available for this product or its ingredients. |
| | High Sensitivity DNA Dye | No specific test data related to reactivity available for this product or its ingredients. |
| | High Sensitivity DNA Ladder | No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability | : High Sensitivity DNA Markers | The product is stable. |
| | High Sensitivity DNA Gel Matrix | The product is stable. |
| | High Sensitivity DNA Dye | The product is stable. |
| | High Sensitivity DNA Ladder | The product is stable. |

Section 10. Stability and reactivity

| | | |
|--|---------------------------------|--|
| 10.3 Possibility of hazardous reactions | : High Sensitivity DNA Markers | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | High Sensitivity DNA Gel Matrix | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | High Sensitivity DNA Dye | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | High Sensitivity DNA Ladder | Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10.4 Conditions to avoid | : High Sensitivity DNA Markers | No specific data. |
| | High Sensitivity DNA Gel Matrix | No specific data. |
| | High Sensitivity DNA Dye | Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. |
| | High Sensitivity DNA Ladder | No specific data. |
| 10.5 Incompatible materials | : High Sensitivity DNA Markers | May react or be incompatible with oxidizing materials. |
| | High Sensitivity DNA Gel Matrix | May react or be incompatible with oxidizing materials. |
| | High Sensitivity DNA Dye | Reactive or incompatible with the following materials: oxidizing materials |
| | High Sensitivity DNA Ladder | May react or be incompatible with oxidizing materials. |
| 10.6 Hazardous decomposition products | : High Sensitivity DNA Markers | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | High Sensitivity DNA Gel Matrix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | High Sensitivity DNA Dye | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | High Sensitivity DNA Ladder | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|-------------|---------|-------------|----------|
| High Sensitivity DNA Dye Dimethyl sulfoxide | LD50 Dermal | Rat | 40000 mg/kg | - |
| | LD50 Oral | Rat | 14500 mg/kg | - |

Irritation/Corrosion

Section 11. Toxicological information

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|----------------------|---------|-------|-----------------|-------------|
| High Sensitivity DNA Dye Dimethyl sulfoxide | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Eyes - Mild irritant | Rabbit | - | 100 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Mild irritant | Rabbit | - | 100 mg | - |

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : High Sensitivity DNA Markers Not available.
 High Sensitivity DNA Gel Matrix Not available.
 High Sensitivity DNA Dye Routes of entry anticipated: Oral, Dermal, Inhalation.
 High Sensitivity DNA Ladder Not available.

Potential acute health effects

Eye contact : High Sensitivity DNA Markers No known significant effects or critical hazards.
 High Sensitivity DNA Gel Matrix No known significant effects or critical hazards.
 High Sensitivity DNA Dye Causes eye irritation.
 High Sensitivity DNA Ladder No known significant effects or critical hazards.

Inhalation : High Sensitivity DNA Markers No known significant effects or critical hazards.
 High Sensitivity DNA Gel Matrix No known significant effects or critical hazards.
 High Sensitivity DNA Dye No known significant effects or critical hazards.
 High Sensitivity DNA Ladder No known significant effects or critical hazards.

Skin contact : High Sensitivity DNA Markers No known significant effects or critical hazards.
 High Sensitivity DNA Gel Matrix No known significant effects or critical hazards.
 High Sensitivity DNA Dye No known significant effects or critical hazards.
 High Sensitivity DNA Ladder No known significant effects or critical hazards.

Ingestion : High Sensitivity DNA Markers No known significant effects or critical hazards.
 High Sensitivity DNA Gel Matrix No known significant effects or critical hazards.
 High Sensitivity DNA Dye No known significant effects or critical hazards.
 High Sensitivity DNA Ladder No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Section 11. Toxicological information

| | | |
|---------------------|--|--|
| Eye contact | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye | No specific data. No specific data. Adverse symptoms may include the following: irritation watering redness |
| | High Sensitivity DNA Ladder | No specific data. |
| Inhalation | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific data. No specific data. No specific data. No specific data. |
| Skin contact | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific data. No specific data. No specific data. No specific data. |
| Ingestion | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No specific data. No specific data. No specific data. No specific data. |

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

| | | |
|------------------------------|--|--|
| General | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Carcinogenicity | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Mutagenicity | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |
| Reproductive toxicity | : High Sensitivity DNA Markers High Sensitivity DNA Gel Matrix High Sensitivity DNA Dye High Sensitivity DNA Ladder | No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| High Sensitivity DNA Dye Dimethyl sulfoxide | 14500 | 40000 | N/A | N/A | N/A |

Section 12. Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--|---|--|---|
| High Sensitivity DNA Dye Dimethyl sulfoxide | Acute LC50 25000 ppm Fresh water Acute LC50 34000000 µg/l Fresh water Chronic NOEC 100 µl/L Marine water Chronic NOEC 100 µl/L Fresh water | Daphnia - Daphnia magna - Neonate Fish - Pimephales promelas Algae - Ulva lactuca Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) | 48 hours 96 hours 72 hours 21 days |

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|--|---|------------------------------|------|----------|
| High Sensitivity DNA Dye Dimethyl sulfoxide | OECD 301D Ready Biodegradability - Closed Bottle Test | 31 % - Not readily - 28 days | - | - |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|--|-------------------|------------|------------------|
| High Sensitivity DNA Dye Dimethyl sulfoxide | - | - | Not readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|------|-----------|
| High Sensitivity DNA Dye Dimethyl sulfoxide | -1.35 | 3.16 | low |

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

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

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Section 15. Regulatory information

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification :

| | |
|---------------------------------|--------------------------------|
| High Sensitivity DNA Markers | Not applicable. |
| High Sensitivity DNA Gel Matrix | Not applicable. |
| High Sensitivity DNA Dye | FLAMMABLE LIQUIDS - Category 4 |
| | EYE IRRITATION - Category 2B |
| High Sensitivity DNA Ladder | Not applicable. |

Composition/information on ingredients

| Name | % | Classification |
|---|-----|--|
| High Sensitivity DNA Dye Dimethyl sulfoxide | ≥90 | FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2B |

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : The following components are listed: DIMETHYL SULFOXIDE; METHANE, SULFINYLBI-

Pennsylvania : None of the components are listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.

Canada : Not determined.

China : Not determined.

Europe : Not determined.

Japan : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : Not determined.

Section 15. Regulatory information

| | |
|----------------------|-------------------|
| Thailand | : Not determined. |
| Turkey | : Not determined. |
| United States | : Not determined. |
| Viet Nam | : Not determined. |

Section 16. Other information

History

| | |
|-------------------------------|--------------|
| Date of issue | : 01/29/2021 |
| Date of previous issue | : 12/02/2020 |
| Version | : 6 |

Key to abbreviations

| |
|---|
| : ATE = Acute Toxicity Estimate |
| : BCF = Bioconcentration Factor |
| : GHS = Globally Harmonized System of Classification and Labelling of Chemicals |
| : IATA = International Air Transport Association |
| : IBC = Intermediate Bulk Container |
| : IMDG = International Maritime Dangerous Goods |
| : LogPow = logarithm of the octanol/water partition coefficient |
| : MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) |
| : N/A = Not available |
| : UN = United Nations |

Procedure used to derive the classification

| Classification | Justification |
|---|---|
| High Sensitivity DNA Dye FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2B | On basis of test data Calculation method |

Indicates information that has changed from previously issued version.

Notice to reader

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