SAFETY DATA SHEET

Creation date: November 25, 2013
Revision date: March 19, 2020

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product : GM Maize Detection SSIIb-3 (for endogenous gene) Oligonucleotide
Code No. : 312-06051、318-06053

Company Name : NIPPON GENE CO., LTD.
Address : 2-7-18, Toiya-machi, Toyama 930-0834 Japan
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2. HAZARDS IDENTIFICATION

GHS Classification : None
Symbol : No Symbol
Signal word : No Signal word
Physical hazards : Low hazard potential when handled properly
Health hazards : Low hazard potential when handled properly
Environmental hazards : Low hazard potential when handled properly

3. COMPOSITION / INFORMATION ON INGREDIENTS

Single Product/Mixture Classification: Mixture

Common/Chemical Name	Content	Chemical Formula	CAS Number	Hazardous Ingredient
Primer pair	25 μM each	Not available	Not available	None

4. FIRST AID MEASURES

Necessary measures against various exposure types
Inhalation : Remove from exposure area to fresh air immediately. Get medical attention if adverse health effects persist or are severe.
Skin Contact : Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains. Get medical attention if adverse health effects persist or are severe.
Eye Contact : Wash eyes immediately with large amounts of water for at least 15 minutes. Get medical attention if adverse health effects persist or are severe.
Ingestion : Wash mouth out with water. Get medical attention if adverse health effects persist or are severe.

Most important symptoms/effects, acute and delayed
: Not available

5. FIRE FIGHTING MEASURES

Extinguishing Media : Powder, alcohol-resistant foam, carbon dioxide, dry sand, water spray
Banned Extinguishing Media : None
Specific Hazards : In case of fire, toxic and corrosive vapors or fumes may be formed.
Wear suitable protection to avoid inhalation.

Special Fire Fighting Procedures
: Use media suitable to extinguish source of fire.
Extinguish the fire from the windward side of the fire.
Perform the proper operation to prevent dispersion of material that influences environmental conditions.

Protective Measures in Fire : The fire fighting should be done from the windward side to avoid inhalation of toxic gas, with suitable respiratory protective device, if necessary

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Personal Protection, and Emergency Equipment
: Wear appropriate personal protective equipment. Use caution, as spill area may be slippery.

Environmental Precautions : Prevent further leakage or spillage. Do not contaminate any lakes, streams, ponds, groundwater or soil. Prevent dispersion of materials.

Methods and materials for containment and cleaning up
: Clean spill area completely with floorcloth or the like

7. HANDLING AND STORAGE

Handling

Technical Measures : None

Local exhaust ventilation system/general ventilation
: Ventilate according to [8. Exposure control / Personal protection].

Precaution : Do not leak, overflow and scatter.
Seal tightly after use.
Wash hands thoroughly after handling.
Handle in a specially designated area where no eating or drinking is allowed.
Avoid nonessential personnel from entering the handling area.
Handle container with enough care not to damage container.
Wear proper protective clothing and shoes.

Incompatible Contacts : Not available

Storage

Storage Condition : Store at −20℃

Technical Measures : None

Incompatible Materials for Storage
: Not available

Material of Container : Polyethylene, polypropylene

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Biological limit values : ACGIH : Not established
: JSOH : Not established

Engineering Measures : Provide local exhaust ventilation if generating vapor, dust, or mist.

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

Personal protective equipment

Respiratory protection : Protective mask

Hand protection : Suitable impervious gloves.

Eye protection : Suitable safety glasses (goggles)

Skin protection : Protective clothing (long sleeved)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, Colour etc)
: Colorless liquid

Odor : Odorless

pH : Not available

Melting point / freezing point : Not available

Initial boiling point and boiling range
: Not available

Flash point : Not available

Upper/lower flammability or explosion limits
: Not available

Vapor pressure : Not available

Relative density : Not available

Solubility : Miscible in water
Partition coefficient (n-octanol/water)
: Not available
Autoignition temperature : Not available
Decomposition temperature : Not available

10. STABILITY AND REACTIVITY

Reactivity : Not available
Chemical stability : Stable at normal conditions
Possibility of hazardous reactions
: Not available
Conditions to avoid : Light, heat
Incompatibilities : Not available
Hazardous decomposition products
: Carbon monoxide, carbon dioxide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : Not available
Skin Corrosion / Irritation : Not available
Eye Damage / Irritation : Not available
Respiratory or Skin Sensitization
: Not available
Germ Cell Mutagenicity : Not available
Carcinogenicity : Not available
Toxic to Reproduction : Not available
Specific Target Organ Systemic Toxicity/Single Exposure
: Not available
Specific Target Organ Systemic Toxicity/Repeated Exposure
: Not available
Aspiration Hazard : Not available

12. ECOLOGICAL INFORMATION

Toxicity : Not available
Persistence / Degradability : Not available
Bioaccumulative potential : Not available
Mobility in soil : Not available
Hazard to the ozone layer : Not available
Other hazard information : Not available

13. DISPOSAL CONSIDERATIONS

Hazardous Waste : Waste must be disposed of in accordance with federal, state, and local regulations.
Contact a licensed professional waste disposal service to dispose of this material if the above procedure is not operatable.
Contaminated Container and Packaging
: Retaining product residue must be completely removed before dispose.

14. TRANSPORT INFORMATION

Basic classification information for the transporting/shipment
UN Number : Not applicable
Marine Pollutant : Not applicable

International regulations

Land	: Not Controlled under ADR/RID's regulations.
Sea	: Not Controlled under IMDG's regulations.
Air	: Not Controlled under IATA's regulations.
Special safety measures	: Handle container with enough care not to damage container Do not drop container or give shock/impact and avoid any damage onto container Keep container upright and properly tighten not to fall down

15. REGULATORY INFORMATION

Follow all the relevant local, state, and federal laws and regulations in your country.

16. OTHER INFORMATION

・Reference

NITE Chemical Risk Information Platform (NITE-CHRIP)
http://www.nite.go.jp/en/chem/chrip/chrip_search/systemTop
SDS supplied by the supplier, etc.

The above information is believed to be correct to be the best of our knowledge and information but do not purport to be all inclusive and shall be used only as a guide. This product is intended to be used by expert persons having chemical knowledge and skill, at their own discretion and we shall not be held liable for any damage-resulting from handling or from contact with the above material.