

# Material Safety Data Sheet

**Product name**

Dow QuickFinder™ 2019-nCoV Real time PCR Kit

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1-1. Product name	Dow QuickFinder™ 2019-nCoV Real time PCR Kit
1-2. Product Cat No.	DG-CV0201
1-3. Recommended use of the chemical and restrictions on use	
Recommended use	In vitro diagnosis application
restrictions on use	In vitro diagnosis application
1-4. Details of the supplier	
Company name	DowGene DNA Testing Company Co., Ltd.
Address	233, Gasan Digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea
Immergence contact number	+82-1566-3133

## 2. HAZARDS IDENTIFICATION

2-1. Classification of Hazards and dangerousness	No relevant classification
2-2. Warning article including prevention methods	
Category	No information available
Hazards and dangerousness	No information available
Prevention method	
Prevention	No information available
Action	No information available
Store	No information available
Discard	No information available
2-3. Other hazards and dangerousness (NFPA) not included in classification	
Health	No information applicable
Fire	No information applicable
Reactivity	No information applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Material name	Usual name	CAS No.	Amount (%)
No information applicable	-	-	-

**This product contains no substances that are considered to be hazardous to health at the product concentration**

## 4. FIRST AID MEASURES

4-1. Eye contact	Immediately rinse skin and eyes thoroughly with plenty of running water for at least 20 minutes. Consult a physician. Remove contaminated clothes and shoes and isolate contaminated area.
4-2. Skin contact	Immediately rinse skin and eyes thoroughly with plenty of running water for at least 20 minutes. Fire risk when drying contaminated clothes. Consult a physician. Move to a place of fresh air.
4-3. Inhalation	Provide Oxygen when breathing is difficult. CPR when there is no breathing. Provide warm and stability. Don't feed the unconscious with your mouth.
4-4. Ingestion	Emergency medical measurers

Wash your mouth if swallowed. Don't try to make me vomit.

4-5. Note to physicians

Ensure that medical personnel are aware of the material and take protective measures.

## 5. FIRE FIGHTING MEASURES

5-1. Proper (improper) fire extinguishing agents

Small fire: dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO<sub>2</sub> (suitable extinguishing agent)

Large fires: dry chemical (suitable extinguishing agent)

Large fires: water spray / mist, regular foam (suitable extinguishing agent)

5-2. Specific hazards from chemical compounds

No information available

5-3. Protective equipment and precautions for fire fighting

No information available

## 6. ACCIDENTAL RELEASE MEASURES

6-1. Personal precautions, protective equipment and emergency procedures

Remove all the sources of fire because micro particles can ignite fire or explosion.

Separate combustibles from leaked material.

Stop leak if it is not dangerous.

Do not contact with leaked materials without wearing proper protective equipment.

Give attention to materials and conditions that should be avoid.

6-2. Environmental precautions

No information available

Build a dike and pool water for fire extinguish.

Do not use flammable materials such as sawdust.

6-3. Containment and cleaning up

Make a ditch to contain large leak.

Pool released material by clean shovel into clean and dry container, tie it and then remove from released area.

After probation clean contaminated area with water.

## 7. HANDLING AND STORAGE

7-1. Precautions for safe handling

Give attention to materials and conditions that should be avoid.

Wash thoroughly after handling.

Note the high temperature.

In case of material leakage, reduce the oxygen concentration in the air and cause suffocation in an enclosed space, so be careful not to spill.

Check the oxygen concentration before entering the place because there is a risk of loss of consciousness or death due to oxygen deficiency at high concentration in the air.

Keep this temperature below 20°C because this material evaporates slowly and reaches hazardous concentrations.

Do not spray because it will evaporate faster if sprayed.

7-2. Conditions for safe storage

Keep it tightly closed.

Store in a cool, dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8-1. Exposure standard of chemical compound, biological exposure standard

Domestic regulations

No information available

ACGIH regulation

No information available

Biological exposure regulation

No information available

8-2. Engineering measures

No information available

8-3. Individual protection equipment

Respiratory protection

No information available

Eye Protection

No information available

Hand Protection

No information available

Skin and body protection

No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

9-1. Appearance

State	Liquid
Color	Colorlessness
9-2. Odor	Odorless
9-3. Odor threshold	No information available
9-4. pH	No information available
9-5. Melting point/freezing point	No information available
9-6. Early boiling point and range	No information available
9-7. Flashing point	No information available
9-8. Evaporation rate	No information available
9-9. Evaporation rate (solid/liquid)	No information available
9-10. Maximum / minimum evaporation or explosion range	-/-
9-11. Steam pressure	No information available
9-12. Solubility	No information available
9-13. Solubility	No information available
9-14. Specific gravity	No information available
9-15. n-octanol/ distribution coefficient	No information available
9-16. Self-ignition temperature	No information available
9-17. Disassemble temperature	No information available
9-18. Viscosity	No information available
9-19. Molecular weight	No information available

## 10. STABILITY AND REACTIVITY

10-1. Chemical stability and possibility of hazardous reactions	No information available
10-2. Situation to avoid	No information available
10-3. Materials to avoid	No information available
10-4. Harmful material produce by degradation	No information available

## 11. TOXICOLOGICAL INFORMATION

11-1. Information on likely routes of exposure	No information available
11-2. Health maleficence information	
Acute poison	
Oral	No information available
Dermal	No information available
Inhalation	No information available
Skin corrosion/irritation	No information available
Serious eye damage or irritation	No information available
Respiratory organ hypersensitiveness	No information available
Skin hypersensitiveness	No information available
Carcinogenic	
Occupational safety and health acts	No information available
Employment announcement	No information available
IARC	No information available
OSHA	No information available
ACGIH	No information available
NTP	No information available
EU CLP	No information available
Germ cell mutagenicity	No information available
Reproduction toxicity test	No information available
Special target poison (1 time exposure)	No information available
Special target poison (repeated exposure)	No information available
Absorption injurious	No information available
Other harmful influences	No information available

## 12. ECOLOGICAL INFORMATION

12-1. Ecotoxicity	
Fish	No information available
Crustacean	No information available
Algae	No information available
12-2. Persistence and degradability	
Persistence	No information available
Degradability	No information available
12-3. Bioaccumulative potential	
Bioaccumulative potential	No information available
Biodegradability	No information available
12-4. Mobility in soil	No information available
12-5. Other harmful influences	No information available

## 13. DISPOSAL CONSIDERATIONS

13-1. Waste treatment method	Dispose container and content according to the Waste Management Act.
13-2. Disposal considerations	Consider the precautions specified in the regulations when specified in the Waste Management Act.

## 14. TRANSPORT INFORMATION

14-1. IATA / IMDG(IMO) / ADR	
UN-No	No information available
Propriety shipping name	No dangerous good in sense of these transport regulations
Transport hazard class(es)	No information available
Packing group	No information available
Environmental hazards	No information available
14-2. Special precautions for user	No information available

## 15. REGULATORY INFORMATION

15-1. Regulations of occupational safety and health act	No information available
15-2. Regulations of toxic chemicals regulation act	No information available
15-3. Regulations of safety control of dangerous substances act	No information available
15-4. Regulations of waste control act	No information available
15-5. Regulations of other domestic and international act	
Domestic act	
Persistent organic pollutants control act	No information available
Foreign act	
American supervision information (OSHA)	No information applicable
American supervision information (CERCLA)	No information applicable
American supervision information (EPCRA 302)	No information applicable
American supervision information (EPCRA 304)	No information applicable
American supervision information (EPCRA 313)	No information applicable
American supervision information (Rotterdam agreement material)	No information applicable
American supervision information (Stockholm agreement material)	No information applicable
American supervision information (Montreal protocol material)	No information applicable
EU Classification information (Confirmed classification results)	No information applicable
EU Classification information (Danger expression)	No information applicable

## 16. OTHER INFORMATION

### 16-1. Source of material

IUCLID (oral / specific target organ toxicity(repeated exposure) / biodegradable)

EU IUCLID (Crustaceans)

SIDS (oral / skin corrosive or irritant / severe eye damage or irritation)

OECD SIDS (fish/ Crustaceans / Enrichment / biodegradable)

NLM (Germ Cell Mutagenesis)

US EPA ECOTOX (Crustaceans)

ECOSAR (agar)

OECD TG 301C (biodegradable)

OECD TG 301D (biodegradable)

### 16-2. Date of initial preparation

2020-02-24

### 16-3. Number of amendments and date of final revision

Number of amendments -

Date of final revision -

○ The above information is acquired by diligent search and/or investigation and recommendations based on prudent application of professional judgment. This information shall not be considered to include all the facts and to be used only as guide. All materials and mixtures are unknown hazards may be carefully as it should be used. Since DowGene DNA Testing Company Co., Ltd. cannot control the actual methods, volumes or conditions of use, the company shall not be held liable for any damages or losses resulting from the handling for from contact with the product as described herein. The information contained in this SDS of does not provide explicit or implied warranties, including implied warranties for merchantability or fitness for a particular purpose. For information found on this MSDS, please contact [dowgene@hanmail.net](mailto:dowgene@hanmail.net).