

**Product Cat. No.: FLM0002**

**Material Safety Data Sheet (MSDS) for Flame CoViD -19 VARIANTS  
qPCR Master Kit – CE-IVD (Real-Time PCR Method).**

## 1. Product and Company Identification

**Product Name:** Flame CoViD -19 VARIANTS qPCR Master Kit – CE-IVD (Real-Time PCR Method).

**CAS Number:** N/A

**Catalog Number:** FLM0002

**Company Name:** GVS SPA

**Address:** Via Roma 50, 40069 Zola Predosa - Italy

**Webpage:** [www.gvs.com](http://www.gvs.com)

**E-mail:** [lifesciences.it@gvs.com](mailto:lifesciences.it@gvs.com)

## 2. Hazards identification

**Classification of the substance or mixture:** Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

**Label elements:** This product does not need to be labelled in accordance with EC directives or respective national laws.

**Other hazards:** This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.

## 3. Composition/information on ingredients

**Mixtures:** No hazardous ingredients.

## 4. First Aid Measures

**Ingestion:** If the product is swallowed, flush the mouth with plenty of water. Call a physician if necessary.

**Skin Contact:** If the product contacts the skin, flush with copious amounts of water and wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician in any case of irritation or discomfort.

**Inhalation:** If the product is inhaled, aerate the person. If breathing becomes difficult give oxygen. If breathing stops, administer artificial respiration. Call emergencies.

**Eye Contact:** If the product contacts the eyes, flush with copious amounts of water for at least 15 minutes. Check for and remove contact lenses. Assure adequate flushing by separating the eyelids. Get immediate medical attention.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Indication of any immediate medical attention and special treatment needed:** no data available

## 5. Firefighting measures

**Extinguishing media:** Suitable extinguishing media, use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** No data available

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** No data available.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Avoid dust formation. Avoid vapours inhalation, mist or gas. For personal protection, see section 8.

**Environmental precautions:** Do not pour product or its waste in drains

**Methods and materials for containment and cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections:**

For disposal see section 13.

GVS S.p.A.

Via Roma 50, 40069 Zola Predosa - Italy

Tel. +39 051 6176311

[info@gvs.com](mailto:info@gvs.com) - [www.gvs.com](http://www.gvs.com)

## 7. Handling and Storage

### 7.1. Advice on safe handling:

- For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
- Advice on protection against fire and explosion: Normal measures for preventive fire protection.
- Hygiene measures: Keep away from food and drink. When using do not eat, drink or smoke.

### 7.2. Conditions for safe storage, including any incompatibilities:

- Advice on common storage: Do not store near acids.
- Other data: No decomposition if stored and applied as directed.
- Recommended storage temperature:  $-20^{\circ}\text{C} \pm 5^{\circ}\text{C}$

### 7.3. Specific end use(s):

## 8. Exposure controls/personal protection

**Control parameters:** Components with workplace control parameters

**Exposure controls:** Exposure controls .General industrial hygiene practice

**Personal protective equipment:**

- **Eye/face protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- **Skin protection:** 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 the product. Dispose off contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- **Body Protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- **Respiratory protection:** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** Do not pour product or its waste in drains.

## 9. Physical and Chemical Properties

**Physical State:** Liquid

**Color:** No data available.

**Odor:** None detectable.

**pH:** 9

**Boiling Point:** No data available.

**Melting Point:** No data available

**Flash Point:** No data available

**Flammability:** No data available

**Auto flammability:** No data available

**Vapor Pressure:** No data available.

**Relative Density:** 2-10ng/ $\mu\text{L}$ .

**Water Solubility:** Soluble.

## 10. Stability and reactivity

**Reactivity:** No data available

**Chemical stability:** No data available

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Materials to avoid:** Strong oxidizing agents

**Hazardous decomposition products:** Other decomposition products - no data available

**In the event of fire:** see section 5.

## 11. Toxicological information

**Acute toxicity:** No data available

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

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

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

GVS S.p.A.

Via Roma 50, 40069 Zola Predosa - Italy

Tel. +39 051 6176311

info@gvs.com - www.gvs.com

**Specific target organ toxicity - repeated exposure:** No data available

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

## 12. Ecological information

**Toxicity to Fish, Algae, Bacteria:** No data available

**Persistence and degradability:** No data available

**Bio-accumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects:** No data available.

## 13. Disposal considerations

**Waste treatment methods**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

**Road / Railway Haulage ADR/RID:** Not restricted.

**Sea Freight IMO (IMDG):** Not restricted.

**Air Freight IATA (ICAO):** Not restricted.

**UN Number:** Not regulated as a dangerous goods.

## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:** Not applicable.

**REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):** Not applicable.

**Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:** Not applicable.

**Regulation (EC) No 850/2004 on persistent organic pollutants:** Not applicable.

**Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances:** Not applicable.

**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:** Not applicable.

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** No data available

**Chemical Safety Assessment:** No data available.

## 16. Other information

**Full text of other abbreviations**

(Q)SAR - (Quantitative) Structure Activity Relationship; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration,

Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

**Further information**

The information given is believed to be correct but does not purport to be all-inclusive and 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

GVS S.p.A.

Via Roma 50, 40069 Zola Predosa - Italy

Tel. +39 051 6176311

info@gvs.com - www.gvs.com

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.  
Wuhan HealthCare Biotechnology Co., Ltd. shall not be held liable for any damage resulting from mishandling or contact with the above product. The safe use of this material is the user charge solely.

