# Install Kit

Safety Data Sheet

according to Regulation (EC) No. 453/2010 and 29 CFR § 1910.1200

Revision date: Mar 5, 2024 Supersedes: N/A Version 2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture
Name : Install Kit
Product code : C-1002RO

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

#### 1.2.1. Relevant identified uses

Use of the substance/preparation : Install Kits are unassayed controls intended for use during assay installations.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

LGC Clinical Diagnostics, Inc.
221 US Route 1
Cumberland Foreside, ME 04110 - USA
800-377-9684; 207-892-1300 Hours: 8:30 AM to 5:00 PM, Eastern Time, Monday through Thursday. 8:30 AM to 4:00 PM on Friday.

### 1.4. Emergency telephone number

Emergency number : Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to LGC Clinical Diagnostics, Inc. customer number 798037.

Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified.

Full text of H-phrases: see section 16.

**Classification according to Directive 67/548/EEC or 1999/45/EC [DPD]**

Not classified.

Full text of R-phrases: see section 16.

**Classification according to 2012 29 CFR § 1910.1200 (OSHA-GHS)**

Not classified.

**Classification according to WHMIS (Controlled Products Regulations)**

Not classified.

**Adverse physicochemical, human health and environmental effects**

None under normal conditions. However, product does contain material of human origin and should be considered potentially infectious.

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) : No symbol required
Signal word (CLP) : Not Applicable
Hazard statements (CLP) : Not Applicable
Precautionary statements (CLP) : Not Applicable
EUH phrases : Not Applicable

**Labelling according to 2012 29 CFR § 1910.1200 [OSHA]**

Hazard pictograms (OSHA) : No symbol required
Signal word (OSHA) : Not Applicable
Hazard statements (OSHA) : Not Applicable
Precautionary statements (OSHA) : Not Applicable

### 2.3. Other hazards

Each human donor used in the preparation of the product was tested and found non-reactive for HIV-1/2, HBV, and HCV with methods approved by the United States FDA, and/or CE approved methods where applicable.

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Directive 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|---|
| Ethanol | (CAS No.) 64-17-5<br>(EC no) 200-578-6 | 0.1-2 | R10 | Flam. Liq.2 (H225) |

Additional information: Contains human sourced and/or potentially infectious material.

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : If symptoms are experienced remove source of contamination or move victim to fresh air. Obtain medical advice.

First-aid measures after skin contact : No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

First-aid measures after eye contact : No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the chemical is removed. If irritation persists, obtain medical advice.

First-aid measures after ingestion : If irritation or discomfort occurs, obtain medical advice immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Overexposure to mists or spray may produce slight irritation of the respiratory system.

Symptoms/injuries after skin contact : May cause slight irritation to the skin.

Symptoms/injuries after eye contact : May cause slight irritation to eyes.

Symptoms/injuries after ingestion : May cause gastric irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: : Powder, alcohol-resistant foam, water spray, carbon dioxide.

Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No particular fire or explosion hazard. In case of fire it can release carbon oxides, nitrogen oxides, hydrogen chloride and/or chlorine gases, disodium oxide and other toxic and irritating fumes.

Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

Protective equipment for firefighters : In case of fire: Wear self-contained breathing apparatus. Wear recommended personal protective equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.

#### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.

Emergency procedures : Avoid all eye and skin contact and do not breathe spray and mist. Prevent product from entering drains.

### 6.2. Environmental precautions

Prevent product from entering drains.

### 6.3. Methods and material for containment and cleaning up

For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect all waste in suitable and labelled containers and dispose according to local legislation.

### 6.4. Reference to other sections

Refer to sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure. Handle as if potentially infectious.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace.

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

Technical measures: : Provide local exhaust or general room ventilation.

Storage condition(s) : Keep container tightly closed and dry. Store in well ventilated area. Keep cool.

Incompatible materials : None Known

### 7.3. Specific end use(s)

Install Kits are unassayed controls intended for use during assay installations.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Ethanol (64-17-5)** | | |
|---|---|---|
| Austria | MAK (mg/m³) | 1900 mg/m³ |
| Austria | MAK (ppm) | 1000 ppm |
| Austria | MAK Short time value (mg/m³) | 3800 mg/m³ |
| Austria | MAK Short time value (ppm) | 2000 ppm |
| Belgium | Limit value (mg/m³) | 1907 mg/m³ |
| Belgium | Limit value (ppm) | 1000 ppm |
| France | VLE (mg/m³) | 9500 mg/m³ |
| France | VLE (ppm) | 5000 ppm |
| France | VME (mg/m³) | 1900 mg/m³ |
| France | VME (ppm) | 1000 ppm |
| Germany | TRGS 900 Occupational exposure limit value (mg/m³) | 960 mg/m³ |
| Germany | TRGS 900 Occupational exposure limit value (ppm) | 500 ppm |
| Italy - Portugal - USA ACGIH | ACGIH TWA (mg/m³) | 1884 mg/m³ |
| Italy - Portugal - USA ACGIH | ACGIH TWA (ppm) | 1000 ppm |
| Spain | VLA-ED (mg/m³) | 1910 mg/m³ |
| Spain | VLA-ED (ppm) | 1000 ppm |
| Switzerland | VLE (mg/m³) | 1920 mg/m³ |
| Switzerland | VLE (ppm) | 1000 ppm |
| Switzerland | VME (mg/m³) | 960 mg/m³ |
| Switzerland | VME (ppm) | 500 ppm |
| Canada (Québec) | VEMP (mg/m³) | 1880 mg/m³ |
| Canada (Québec) | VEMP (ppm) | 1000 ppm |
| Australia | TWA (mg/m³) | 1920 mg/m³ |
| Australia | TWA (ppm) | 1000 ppm |

### 8.2. Exposure controls

Appropriate engineering controls : Either local exhaust or general room ventilation is usually required.

Personal protective equipment : Gloves. Safety glasses.



Hand protection : If this material may come in contact with the hands during handling and use, we recommend wearing gloves of the following material(s): natural rubber latex, neoprene, nitrile, or polyvinyl chloride (PVC). Consult your PPE provider for breakthrough times and the specific glove that is best for you based on your use patterns.

Eye protection : As a minimum, safety glasses with side shields should be worn when handling this material

Skin and Body protection : If this material may come into contact with the body during handling and use, we recommend wearing appropriate protective clothing to prevent contact with the skin.

Respiratory protection : With correct and proper use, and under normal conditions, breathing protection is not required

Environmental exposure controls : None known.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | Colourless to slightly yellow |
| Odour | : | No data available |
| Odour threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | No data available |
| Solidification point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | No data available |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Flammability (solid, gas) | : | Not applicable. |
| Explosive limits | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | No data available |
| Solubility | : | Water: Soluble in water |
| Log Pow | : | No data available |
| Log Kow | : | No data available |
| Self ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | Not explosive. |
| Oxidising properties | : | Not oxidizing. |

### 9.2. Other information

| | | |
|---|---|---|
| Upper flammable Limit | : | No Data Available |
| Lower Flammable Limit | : | No Data Available |
| Sensitivity to mechanical impact | : | No Data Available |
| Sensitivity to static discharge | : | No Data Available |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Incompatible materials.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Routes of Entry : Skin, Eyes, Inhalation and Ingestion

Acute toxicity : (Mixture not tested. Based on available data.)

| Ethanol (64-17-5) | |
|---|---|
| LD50 oral mouse | 3450 mg/kg |
| LD50 dermal rabbit | >15800 mg/kg |
| LC50 inhalation mouse (4h) | 21000 ppm |

Skin corrosion/irritation : Not classified (Mixture not tested. Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Not classified (Mixture not tested. Based on available data, the classification criteria are not met)

Respiratory or skin sensitisation : May cause an allergic skin reaction (Mixture not tested. Based on available data.)

Germ cell mutagenicity : Not classified (Mixture not tested. Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Mixture not tested. Based on available data, the classification criteria are not met). No ingredient present at greater than 0.1% is listed in National Toxicology Program (NTP) Report on Carcinogens (12th Edition), the International Agency for Research on Cancer (IARC) Monographs (Volumes 1–105), or by OSHA.

Reproductive toxicity : Not classified (Mixture not tested. Based on available data, the classification criteria are not met)

Teratogenicity/Embryotoxicity : Not classified (Mixture not tested. Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Mixture not tested. Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified (Mixture not tested. Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Not applicable)

Potential Adverse human health effects and symptoms : May cause slight temporary irritation.

Toxicologically Synergistic Materials : None known

## SECTION 12: Ecological information

### 12.1. Toxicity

| Ethanol (64-17-5) | |
|---|---|
| LC50 fish (24h) | >100 mg/L *Danio rerio* |
| EC50 Daphnia (48h) | 11853-13248 mg/L *Daphnia magna* |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| Ethanol (64-17-5) | |
|---|---|
| Log P(oct) | = -0.31 |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

| Install Kit |
|---|
| PBT: not relevant – no registration required |
| vPvB: not relevant – no registration required |

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point. Can be deposited in landfills, sent to an incineration or other appropriate means of disposal provided they meet the requirements of local laws. Comply with applicable local, national and international regulation.

## SECTION 14: Transport information

**DOT:** Not Regulated

**IATA:** Not Regulated

**ADR (road)/ RID (rail):** Not Regulated

**IMDG (sea):** Not Regulated

**General Transport Regulations** Not Regulated

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance ormixture

#### 15.1.1. EU-Regulations

Contains no REACH candidate substance

#### 15.1.2. National regulations

Regional legislation : Canada: This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

USA: This product has been classified in accordance with the 2012 hazard criteria of the *Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard (HCS)* and the SDS contains all the information required by the 29 CFR § 1910.1200.

### 15.2. Chemical safety assessment

CSA has not been established

## SECTION 16: Other information

Sources of Key data : Data arise from reference works and literature.

Abbreviations and acronyms : WHMIS – Workplace Hazardous Material Information System
CFR - Code of Federal Regulations
CLP - Classification, Labelling and Packaging
CSA – Chemical Safety Assessment
DPD – Dangerous Products Directive
EC - European Community
EC No. - European Commission number
EEC - European Economic Community
EN - European Norm
EU- European Union
GHS – Globally Harmonized System
h – hours
H-phrases – Hazard phrases
Log Pow – Log of the Octanol/Water Partition Coefficient
MSDS – Material Safety Data Sheet
No. – Number
OSHA - Occupational Safety and Health Administration
PBT - Persistent, Bioaccumulative and Toxic substance
PPE – Personal Protective Equipment
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
R-phrases – Risk phrases
SDS – Safety Data Sheet
vPvB - Very Persistent and Very Bioaccumulative
WHMIS – Workplace Hazardous Material Information System

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*