

Title: SAFETY DATA SHEET		Effective Date: 02/20/2020
SDS Number: CG-CoV-IgM/IgG	Revision: A	Manufacturer: RayBiotech Life, Inc

1.0 PRODUCT AND COMPANY INFORMATION

1.1 **Product name: Coronavirus (COVID-19) IgM/IgG Rapid Test Kit**

1.2 **Catalog # / Part number: CG-CoV-IgM/IgG**

1.3 **Manufacturer / Supplier:**

RayBiotech, Life
3607 Parkway Lane
Suite 200
Peachtree Corners, GA 30092
Phone: 770-729-2992 / 888-494-8555
Fax: 770-206-2393

1.4 **Emergency Information:**

Please call RayBiotech at 770-729-2992

EMERGENCY HEALTH INFORMATION:
800-424-8802 National Response Center

1.5 **Application of the substance or mixture:** Not for human use.

1.6 **Other product information:** This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

2.1 **Classification of the substance or mixture**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Skin corrosion (Category 1B), H314

Serious eye damage (Category 1), H318

Skin sensitisation (Category 1), H317

Short-term (acute) aquatic hazard (Category 1), H400

Long-term (chronic) aquatic hazard (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 **GHS Label elements, including precautionary statements**



Pictogram

Signal word Danger

Hazard statement(s)

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS
None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Hazardous components:

Component	Classification	Concentration
Modified Alkyl Carboxylate		
	Aquatic Chronic 4; H413	>= 0.5 - < 1.0 %
Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1)		
CAS No. 55965-84-9 Index No. 613-167-00-5	Acute Tox. 3; Acute Tox. 2; Skin Corr. 1C; Eye Dam. 1; Skin Sens. 1A; Aquatic Acute 1; Aquatic Chronic 1; H301, H330, H310, H314, H318, H317, H400, H410 M-Factor - Aquatic Acute: 100 - Aquatic Chronic: 100	>= 0.1 - < 0.5 %

4.0 FIRST AID MEASURES

4.1 Description of first aid measures:

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Inhalation: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Ingestion: Do NOT induce vomiting. If swallowed, drink plenty of water. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5.0 FIRE FIGHTING MEASURES

5.1 Classification of substance or mixture: The product is non-flammable.

5.2 Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 Protective equipment: Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 Methods for clean up: Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

6.3 Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.4 Reference to other sections: For disposal see section 13.

7.0 HANDLING AND STORAGE

7.1 Handling: Avoid inhalation. Avoid contact with eyes, skin and clothing. Please see section 2 for precautions.

7.2 Storage: Keep tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): 8A: Combustible, corrosive hazardous materials

7.3 Additional information: See product data sheet for more information on handling and storage.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters: Contains no substances with occupational exposure limit values.

8.2 Engineering controls: Ensure adequate ventilation. Use appropriate personal protective work clothing.

8.3 Personal precautions:

Eye: Wear appropriate eye protection. Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin: Wear clothing and gloves. 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 this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Inhalation: Respiratory equipment is not required.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

Appearance: Liquid, clear

Odor: None

pH: 7.4

Vapor pressure: Not available

Vapor density: Not available

Boiling point: Not available

Melting/freezing point: Not available

Flash point UEL/LEL: None established

Evaporation rate: Undetermined

Flammability: Non-flammable material

Solubility: Not available

Specific gravity (water = 1): Not available

Volatile %: Not available

Water content: Not available

Decomposition Temperature: Not available

Autoignition Temperature: None established

VOC content: Not available

Viscosity: Not available

10.0 STABILITY AND REACTIVITY

10.1 Stability: Stable under recommended storage conditions.

10.2 Reactivity: No data available

10.3 Materials to avoid: None determined

10.4 Hazardous decomposition: None determined

10.5 Hazardous polymerization: Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 Potential health effects:

Acute Toxicity: LD50 Oral – Rat – 862mg/kg

Eye contact: Rabbit - Corrosive to the eye.

Skin contact: Rabbit - Corrosive on skin.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

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

Reproductive toxicity: No Data Available

Mutagenicity: None

Sensitization: Guinea pig - May cause sensitization by skin contact.

12.0 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity:** No Data Available, Undetermined
- 12.2 **Biodegradability:** No Data Available, Undetermined
- 12.3 **Mobility:** No Data Available, Undetermined
- 12.4 **Bioaccumulation:** No Data Available, Undetermined

13.0 DISPOSAL INFORMATION

- 13.1 **Disposal method:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging should be disposed of as if it were and unused product as above.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class:

UN number: 3265 Class: 8 Packing group: II

Proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (5-Chloro-2-methyl-2H-isothiazol-3-one)

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

IATA Hazard class:

UN number: 3265 Class: 8 Packing group: II

Proper shipping name: Corrosive liquid, acidic, organic, n.o.s. (5-Chloro-2-methyl-2H-isothiazol-3-one)

IMDG Hazard class:

UN number: 3265 Class: 8 Packing group: II EMS-No: F-A, S-B

Proper shipping name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-Chloro-2-methyl-2H-isothiazol-3-one)

Marine pollutant : yes

15.0 REGULATORY INFORMATION**15.1 US Federal and State Regulations:**

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): Acute Health Hazard

SARA Title III Section 313 (40 CFR Part 372): This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels for SARA Title III, Section 313.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

Pennsylvania Right to Know Components

	CAS-No.
Glycols	
Modified alkyl carboxylate	-
Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1)	55965-84-9

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right to Know Components

	CAS-No.
Glycols	
Modified alkyl carboxylate	-
Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1)	55965-84-9

15.2 Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

16.0 OTHER INFORMATION

16.1 Disclaimer: Not for human use.

16.2 Note to reader: This SDS and the information it contains is offered in good faith as accurate and complete. We have reviewed any information contained in this SDS which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this safety data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this safety data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.