Owi Green FAST qPCR Premix

Safety data sheet

References: 258493 - 258494 - 258495

For RESEARCH USE ONLY

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Preparation Name : Owi Green Fast qPCR Premix

Catalog Number : OZYA008

Use of the preparation : For laboratory use.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification

This mixture is classified as not hazardous according to (EC) 1272/2008 Globally Harmonized System (GHS)

2.2 Label elements

Emergency Overview

The product contains no substances which at their given concentration are considered to be hazardous to health.

Appearance Blue **Physical state** Liquid **Odor** Slight

Hazards not otherwise classified (HNOC)

Other information

Note: No data available

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4 : FIRST AID MEASURES

4.1 First aid measures

General advice

Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove from exposure, lie down. Do not breathe

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

dust/fume/gas/mist/vapors/spray.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact
Wash skin with soap and water.

Inhalation
Remove to fresh air.

Ingestion
Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed
No information available.

4.3 Indication of any immediate medical attention and special treatment needed
Note to physicians
Treat symptomatically.

SECTION 5 : FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

5.3 Specific hazards arising from the chemical
Thermal decomposition can lead to release of irritating gases and vapors

5.4 Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment [PPE]
Use personal protection recommended in Section 8.

6.2 Environmental precautions
See Section 12 for additional Ecological Information.

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

6.3 Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. This material and its container must be disposed of as hazardous waste.

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature -20°C

Storage Conditions

Keep/store only in original container.

Incompatible materials

None known based on information supplied.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region- specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerol 56-81-5	-	TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction	-

Other information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

8.2 Appropriate engineering controls

Showers. Eyewash stations.

8.3 Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

Skin and body protection
Wear suitable protective clothing and gloves.

Respiratory protection
Use in well ventilated areas.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Blue
Odor	Slight

9.2 Property		**Remarks • Method**
pH	8.3	
Melting point / freezing point		No information available
Boiling point / boiling range		No information available
Flash point		No information available
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No information available
Upper flammability limit		
Lower flammability limit		
Vapor pressure		No information available
Vapor density		No information available
Relative density		No information available
Specific gravity		No information available
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties		No information available
Oxidizing properties		No information available

9.3 Other information	
Softening point	No information available
Molecular weight	No information available
VOC content (%)	No information available
Density	No information available
Bulk density	No information available

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under normal conditions.

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

10.3 Possibility of hazardous reactions

Can react briskly with oxidizers - danger of explosion.

10.4 Conditions to avoid

Incompatible materials. Ignition sources. Heat.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide (CO2).

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Inhalation

Avoid breathing vapors or mists. May cause irritation of respiratory tract.

Eye contact

Redness. May cause slight irritation.

Skin contact

Prolonged contact may cause redness and irritation. Repeated exposure may cause skin dryness or cracking.

Ingestion

May cause drowsiness or dizziness. Ingestion causes burns of the upper digestive and respiratory tracts. Symptoms include burning sensation, coughing, wheezing, shortness of breath, headache, nausea, and vomiting.

11.2 Information on toxicological effects

Symptoms	No information available.

11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Mild
Serious eye damage/eye irritation	Mild
Irritation	Mild
Corrosivity	Mild
Sensitization	
Skin	No information available
Respiratory	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
Developmental toxicity	No information available
Teratogenicity	No information available
STOT - single exposure	No information available

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

STOT - repeated exposure	No information available
Chronic toxicity	No information available
Subchronic toxicity	No information available
Target organ effects	Eyes, Kidneys, Respiratory system, Skin
Neurological effects	No information available
Other adverse effects	No information available
Aspiration hazard	No information available

11.4 Numerical measures of toxicity - Product information

The following values are calculated based on chapter 3.1 of the GHS document . mg/kg mg/l

SECTION 12 : ECOLOGICAL INFORMATION

Marine pollutant

No information available

12.1 Ecotoxicity

No information available

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerol 56-81-5	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	-	500: 24 h Daphnia magna mg/L EC50
Trade Secret	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static	-	10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static
Dimethly Sulfoxide 67-68-5	12350 - 25500: 96 h Skeletonema costatum mg/L EC50	33 - 37: 96 h Oncorhynchus mykiss g/L LC50 static 41.7: 96 h Cyprinus carpio g/L LC50 34000: 96 h Pimephales promelas mg/L LC50 40: 96 h Lepomis macrochirus g/L LC50 static	-	7000: 24 h Daphnia species mg/L EC50

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

Trade Secret	-	431 - 495: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
Ammonium Sulfate 7783-20-2	-	18: 96 h Cyprinus carpio mg/L LC50 123 - 128: 96 h Poecilia reticulata mg/L LC50 semi-static 32.2 - 41.9: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 126: 96 h Poecilia reticulata mg/L LC50 250: 96 h Brachydanio rerio mg/L LC50 460 - 1000: 96 h Leuciscus idus mg/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 5.2 - 8.2: 96 h Oncorhynchus mykiss mg/L LC50 static 480: 96 h Brachydanio rerio mg/L LC50 flow-through 420: 96 h Brachydanio rerio mg/L LC50 semi-static	-	423: 24 h Daphnia magna mg/L EC50 14: 48 h Daphnia magna mg/L LC50
Potassium Chloride 7447-40-7	2500: 72 h Desmodesmus subspicatus mg/L EC50	750 - 1020: 96 h Pimephales promelas mg/L LC50 static 1060: 96 h Lepomis macrochirus mg/L LC50 static	-	83: 48 h Daphnia magna mg/L EC50 Static 825: 48 h Daphnia magna mg/L EC50

2.156 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

12.2 Persistence and degradability

No information available

12.3 Bioaccumulation

No information available

12.4 Mobility

No information available

12.5 Other adverse effects

Ozone	No information available
Ozone depletion potential (ODP)	No information available

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Relevant Information

Keep out of drains, sewers, ditches and waterways.

Disposal considerations

Use a licensed professional waste disposal service to dispose of this product. Product may be dissolved in a combustible solvent or absorbed onto a combustible material and burned by a chemical incinerator.

Contaminated packaging

Empty containers must be tripled rinsed prior to disposal.

SECTION 14 : TRANSPORT INFORMATION

DOT	Not regulated

SECTION 15 : REGULATORY INFORMATION

15.1 International Inventories

TSCA*

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

15.2 US Federal Regulations

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

15.3 US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com

SECTION 16 : OTHER INFORMATION

NFPA	**Health hazards** 0	**Flammability** 0	**Instability** 0	**Special Hazard** -
HMIS	**Health hazards** 0	**Flammability** 0	**Physical hazards** 0	**Personal protection** -

Disclaimer

IMPORTANT: The information in this SDS is provided in good faith based on our knowledge as of the issue date (or subsequent revision date, if any), and is to be used only as a guide. This SDS does not constitute a guarantee (express or implied) of any kind and we make no warranties or merchantability or fitness for a particular purpose. This information relates only to the designated product as shipped and may not be valid if the product is used in combination with any other materials or is not used in accordance with our instructions. It is the responsibility of the buyer/user to ensure that its activities comply with all applicable governmental requirements. Since conditions of use of the product are not under our control, it is the duty of the buyer/user to determine the necessary conditions for the safe use of the product. We will not be liable for any damages resulting from handling or contact with the product.

Version: OZYA008-586530

OZYME SAS - 78210 SAINT-CYR-L'ECOLE - FRANCE
Tel. : +33 1 34 60 24 24 - www.ozyme.fr/info
Customer service - Order : commande@ozyme.fr
Technical support : tech@ozyme.fr

Dominique DUTSCHER SAS - 67170 BERNOLSHEIM - FRANCE
Tel. : +33 3 88 59 33 90 – www.dutscher.com
Customer service - Order : info@dutscher.com
Technical support : demandes_techniques@dutscher.com