Owi Script Reverse Transcriptase UltraMix with gDNA CleanUp for qPCR

Safety data sheet

References: 258496 - 258497

For RESEARCH USE ONLY

SECTION 1: CHEMICAL PRODUCT

Catalog reference : OZYA012

Product Name : Owi Script Reverse Transcriptase UltraMix with gDNA CleanUp for qPCR

SECTION 2: HAZARDS SUMMARIZING

2.1 Classification:

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

2.2 Label elements:

Emergency summary

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** Odorless

Hazards not otherwise classified (HNOC)

Other information

Note: No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

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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

No information available.

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.

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.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
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).

Skin and body protection
Wear suitable protective clothing and gloves.

Respiratory protection
Use in well ventilated areas

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Colorless
Odor	Odorless

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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.

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 (CO_2).

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SECTION 11: TOXICOLOGICAL INFORMATION

10.7 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.

10.8 Information on toxicological effects

Symptoms No information available.

11.1 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
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

11.2 Numerical measures of toxicity - Product information
The following values are calculated based on chapter 3.1 of the GHS document. mg/kg mg/l

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Marine pollutant
No information available

12.2 Ecotoxicity
No information available

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

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: 48h 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
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 Poeciliareticulata mg/L LC50 250: 96 h Brachydaniorerio 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: 96h 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
Na2EDTA 139-33-3	-	320: 96 h Poecilia reticulata mg/L LC50 semi-static	-	-

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12.3 Persistence and degradability
No information available

12.4 Bioaccumulation
No information available

12.5 Mobility
No information available

12.6 Other adverse effects

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

SECTION 13: DISPOSAL

13.1 Waste treatment methods
Relevant Information
Keep out of drains, sewers, ditches and waterways.

Disposal consideration
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 -

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

US Federal Regulations

15.3 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).

15.4 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.

US State Regulations

15.5 California Proposition 65
This product does not contain any Proposition 65 chemicals.

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15.6 U.S. State Right-to-Know Regulations

15.7 U.S. EPA Label Information

EPA Pesticide Registration Number	Not applicable

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-

Prepared by	EH&S Manager
Prepared by	Ozyme SAS
Issue date	No data available

Disclaimer

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