Owi AptaFi Hot Start Master Mix

Safety Data Sheet (SDS)
According to EC Regulation 1907/2006
Classification according to EC Regulation 1272/2008

References: 258513 - 258514 - 258515

FOR RESEARCH ONLY

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product Details:
Trade Names:
Owi AptaFi Hot Start Master Mix

Catalogue Numbers:
OZYA014-20
OZYA014-100
OZYA014-500

Kit Components:
2x Owi AptaFi Hot Start Master Mix

SECTION 2: HAZARDS IDENTIFICATION

Kit component 2x Owi AptaFi Hot Start Master Mix
· **Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008** This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
· **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
· **Classification system:**
The classification was made according to the latest editions of the EU-lists and expanded upon from company and literature data.
· **Label elements:** This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
· **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).
· **Safety phrases:**
35 This material and its container must be disposed of in a safe way.
· **Other hazards:** No information available
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

· **Chemical characterization:** Mixtures
· **Description:** Mixture of the substances listed below with non-hazardous additions.

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· **Dangerous components:**

Name	CAS No	EC No	Classification according to EC regulation 1272/2008	Weight %
Glycerol	56-81-5	200-289-5	Not classified	<5 %

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

· **Description of first aid measures**
· **General information** No special measures required.
· **After inhalation** Supply fresh air; consult doctor in case of complaints.
· **After skin contact** Wash skin with soap and water. Generally, the product does not irritate the skin.
· **After eye contact** Rinse opened eye for several minutes under running water.
· **After swallowing** Induce vomiting and call for medical help.
· **Information for doctor:** Treat symptomatically.
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

· **Extinguishing media**
· **Suitable extinguishing agents**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Advice for firefighters:** Firefighters should wear self-contained breathing apparatus and full firefighting turnout.
· **Protective equipment:** No special measures required or as above

SECTION 6: ACCIDENTAL RELEASE MEASURES

· **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
· **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers / surface or ground water.
See Section 12 for additional Ecological Information.
· **Methods and material for containment and cleaning up:**
Prevent further leakage or spillage if safe to do so. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
· **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

· **Handling**
· **Precautions for safe handling** No special measures required.
· **Information about protection against explosions and fires:** No special measures required.
· **Conditions for safe storage, including any incompatibilities.**

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· **Storage:** Keep container tightly closed in a dry and well-ventilated place.
· **Requirements to be met by storerooms and receptacles:** According to product specification.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** None.
· **Specific end use(s)** No further relevant information available.
· **Risk management methods [RMM]** The information required is contained in this Safety Data Sheet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

· **Additional information about design of technical systems:** No further data; see item 7.
· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**

Name	CAS No	Workplace exposure limits (different values for each country)
Glycerol	56-81-5	STEL: None or up to 400 mg/m3 – LTEL: None or up to 200 mg/m3

· **Additional information:** The lists that were valid during the creation were used as basis.
· **Exposure controls:** No information available.
· **Personal protective equipment**
· **General protective and hygienic measures**
The usual precautionary measures should be adhered to when handling chemicals.
· **Breathing equipment:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
· **Protection of hands:** Protective gloves.
· **Material of gloves** Synthetic gloves
· **Penetration time of glove material**
The exact break through time must be found out by the manufacturer of the protective gloves and must be observed.
· **Eye protection:** Safety glasses

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**
Form: Fluid
Colour: Light blue
· **Odour:** Odourless
· **Odour threshold:** Not determined.
· **pH-value:** Not determined.
· **Change in condition.**
Melting point/Melting range: No data available.
Boiling point/Boiling range: No data available.
· **Flash point:** No data available.
· **Flammability (solid, gaseous)** No data available
· **Ignition temperature:** No data available.
· **Decomposition temperature:** No data available
· **Self igniting:** Not determined.
· **Danger of explosion:** Product does not present an explosion hazard.
· **Explosion limits:** No data available
· **Vapour pressure at 20°C:** Not determined.
· **Density: No data available:** Not determined.
· **Relative density:** No data available
· **Vapour density:** Not determined.
· **Evaporation rate:** Not determined.
· **Solubility in / Miscibility with:**

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Water: Fully miscible.
· **Segregation coefficient (n-octanol/water):** Not determined.
· **Viscosity:**
Dynamic: Not determined.
Kinematic: Not determined.
· **Other information** No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

· **Reactivity:** No information available.
· **Chemical stability:** Stable under normal conditions.
· **Thermal decomposition / conditions to be avoided:** None known based on information supplied.
· **Explosion data:**
Sensitivity to mechanical impact: None.
Sensitivity to mechanical impact: None.
· **Possibility of hazardous reactions** None known based on information supplied.
· **Conditions to avoid** None known based on information supplied.
· **Incompatible materials:** None known based on information supplied.
· **Hazardous decomposition products:** None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

· **Numerical measures of toxicity**
The following values are calculated based on chapter 3.1 of the GHS document.
ATEmix (oral): 8,283 mg/kg
ATEmix (dermal): 3,303 mg/kg

Unknown acute toxicity 33.3 % of the mixture consists of ingredient(s) of unknown toxicity.
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
23.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
33.3 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
33.3 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

· **Skin corrosion/irritation:** No data available.
· **Serious eye damage/eye irritation:**
Eyes – rabbit: No data available.
· **Respiratory or skin sensitization:** No data available.
· **Germ cell mutagenicity:** No data available.
· **Carcinogenicity:**
IARC: 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.
· **Reproductive toxicity:** No data available.
· **Specific target organ toxicity - single exposure:** No data available.
· **Specific target organ toxicity - repeated exposure:** No data available.
· **Aspiration hazard:** No data available.
·**Potential health effects:**
Inhalation: Specific test data for the substance or mixture is not available.
Ingestion: Specific test data for the substance or mixture is not available.
Skin May: Specific test data for the substance or mixture is not available.
Eyes: Specific test data for the substance or mixture is not available.
· **Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 12: ECOLOGICAL INFORMATION

· **Toxicity**
Aquatic toxicity: No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **Results of PBT and vPvB assessment**
· **PBT:** No further relevant information available.
· **vPvB:** No further relevant information available.
· **Other adverse effects** No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

· **Waste treatment methods**
· **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
· **Uncleaned packaging:**
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary, with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

· **IMDG:**
Marine pollutant: Not applicable
UN number: Not regulated.
Proper shipping name: Not regulated.
Packing group: Not regulated.
Special Provisions: Not regulated.
Special precautions for user Not applicable.
Transport/Additional information: Not dangerous according to the above specifications.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· **RID:**
· **UN/ID No:** Not regulated.
Proper shipping name: Not regulated.
Transport hazard class(es): Not regulated.
Packing group: Not regulated.
Environmental hazard: Not applicable.
Special Provisions: None

· **ADR:**
UN number: Not regulated.
Proper shipping name: Not regulated.
Transport hazard class(es): Not regulated.
Packing group: Not regulated.
Environmental hazard: Not applicable.
Special Provisions: None

· **IATA:**

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UN number: Not regulated.
Proper shipping name: Not regulated.
Transport hazard class(es): Not regulated.
Packing group: Not regulated.
Environmental hazard: Not applicable.
Special Provisions: None

SECTION 15: REGULATORY INFORMATION

· **Safety, health, and environmental regulations/legislation specific for the substance or mixture**
· **National regulations**
· **Technical instructions (air):**
Class Share in %
NK 10-20
· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
· **European Union**
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Since conditions of use of the product are not under the control of Ozyme SAS., it is the duty of the buyer/user to determine the necessary conditions for the safe use of the product. Ozyme SAS will not be liable for any damages resulting from handling or contact with the product.

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