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Form No:**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier****Product name** ZAPP OXI ACTION GEL**Product identifier** Cleaning agent.**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** The product is suitable for laundry stain remover. Avoid from direct contact with eyes and mouth.**1.3. Details of the supplier of the safety data sheet****Manufacturer** DAGLI TRADING LTD.
5 Organized Industrial Zones 99450 Famagusta
Turkish Republic of Northern Cyprus**Contact Person** Chemical Engineer Nazlı Kılıç (nazli@namedanismanlik.com)**1.4. Emergency telephone number**

Contact the national poison counseling center.

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical and Chemical Hazards	Not classified
Human health	Skin Corrosive.1A - H314 Acute Toxicity 4 - H302 Skin Irritation 2 – H315
Environment	Not classified

2.2. Label elements**Label In Accordance With (EC) No. 1272/2008****Signal Word:** Danger**Contains:** Amines, C12-18(even numbered)-alkyldimethyl, N- oxides, Hydrogen Peroxide.**Hazard Statements:**

H314 Causes severe skin burns and eye damage.

H332 Harmful by inhalation.

H315 Causes skin irritation.

Precautionary Statements:

P101 Keep medical advice, package or label.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing gas, fumes, vapors or spray.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if fitted and easy to do. Continue rinsing.

P332+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Name	EC No.	CAS No.	Concentration	Classification (EC 1272/2008)
Aqua	7732-18-5	231-791-2	*	Not Classified
Phosphonic acids, Sodium salts aqueous solution	13598-36-2	237-066-7	%<1	Eye Irritation 2- H319
Sodium Laureth Sulfate+Betaines, C12- 14-alkyldimethyl +Alcohols, C12-14, ethoxylated	68891-38-3 / 66455-29-6 / 68439-50-9 / 110615-47-9	500-234-8 / 266-368-1/ 500-213-3 / 600-975-8	%≥1 - <%5	Skin Irritation 2 H315 Eye Damage 1 H318
Alkyl ether sulfate C12-14, sodium salt	9004-82-4	500-234-8	% 5 - 15	Skin Irritation 2 H315 Eye Damage 1 H318
Cocamido DEA	68603-42-9	271-657-0/931-329-6	%>=1 <%5	Skin Irritation 2 H315 Eye Damage 1 H318
Amines, C12-18(even numbered)-alkyldimethyl, N- oxides	-	931-341-1	%<1	Acute Toxicity 4 H302 Skin Irritation 2 H315 Eye Damage 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 2 H411
Citric Acid	77-92-9 / 5949-29-1	201-069-1	%<1	Eye Irritation 2- H319
Hydrogen Peroxide	7722-84-1	231-765-0	%5 - %15	Acute Toxicity 4 H302 Skin Abrasive 1A H314 Acute Toxicity 4 H332 Okside Liquid 2 H272 Eye Damage 1 H318 BHOT Single Exposure 3 H335
Sodyum Sulphate	7757-82-6	231-820-9	%<1	Not Classified
Parfume	-	-	%<1	Not Classified
Disodium Distyrlbiphenyl Disulfonate	27344-41-8	248-421-0	%0,1-%<1	Eye Irritation 2- H319 Aquatic Acute 3 H402

The Full Text for all Hazard Statements are Displayed in Section 16.

The highest concentration values were used for calculations.

Composition Comments

- The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

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- Inhalation** : IF INHALED: Move victim to fresh air and keep in a position comfortable for breathing.
- Ingestion** : IF SWALLOWED: Rinse your mouth. DO NOT try to vomit.
- Skin contact** : IF ON SKIN: Wash with plenty of soap and water. If symptoms occur after washing, consult a doctor immediately.
- Eye contact** : IF IN EYE CONTACT: Rinse carefully with water for a few minutes. Remove contact lenses, if present and easy to perform. Continue rinsing.

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

- Inhalation** : Dizziness
- Ingestion** : Nausea, vomiting.
- Skin contact** : Causes severe skin burns and irritation.
- Eye contact** : Causes serious eye damage

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

- **Notes for the doctor:** No specific recommendations.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).
May cause explosion hazard of dust.

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific firefighting precautions known.

Protective equipment for fire-fighters

Avoid breathing fire vapors. Cool exposed to flames with until the fire is extinguished. Remove container from fire area, if possible without danger. Prevent fire-fighting water from running into sewers and watercourses. Take a dike to keep the water under control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoiding contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions: Do not spill into sewers, soil or waterways.

6.3. Methods and material for containment and cleaning up

Flush away spillage with plenty of water. Avoid contamination of ponds or watercourses with washing down water. Absorb spillage with non-combustible, absorbent material. Do not discharge into drains or watercourses or onto the ground.

6.4. Reference to other sections

For personal protection, see section 8.
See section 11 for additional information on health hazards.
For waste disposal, see section 13.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke when using the product. Protect against direct sunlight.
Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Stable at normal ambient temperatures.
Protect from light, including direct sunrays.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	
Hydrogen peroxide	Preventive industrial and medical examinations should be carried out in accordance with legislation.

8.2. Exposure controls



Protective equipment

Process conditions

Engineering measures

Respiratory equipment

Hand protection

Eye protection

Hygiene measures

Skin protection

Environmental Exposure Controls

: Not relevant.

: Not relevant.

: Respiratory protection in case of vapor/aerosol release. Particulate filter EN 143 or 149, Type P2 or FFP2, medium filtering capacity (solid and liquid particles of less toxic substances).

: Protective in case of prolonged or repeated contact wear gloves. Protective gloves conforming to EN 374.

: Close-fitting safety glasses (closed goggles) (Class EN 166) and face mask.

: Eating, drinking, smoking and inhaling any substance in the workplace it is forbidden. Use in accordance with good industrial hygiene and safety practices. Personal protection equipment must be free of hazardous and harmful substances before reuse.

: Waterproof clothing

: Not relevant.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear Gel
Colour	Characteristic
Odour	No data available
Solubility	No data available
Boiling Point	No data available
Melting point	No data available
pH-Value	4-4,5
Flash Point	No data available
Decomposition temperature	No data available
Density	No data available

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Viscosity	400-800cps
Partition Coefficient (N-Octanol/Water)	No data available

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

-

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Can form unstable or explosive compounds with halogens, nitric acid, hypochlorites, silver, mercury, lead. · Can react violently if in contact with strong acids, nitrogen oxides.

10.4. Conditions to avoid

Contamination To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Acids, Bases, Metals, Heavy metal salts, Powdered metal salts, Reducing agents, Organic materials,
· Flammable materials

10.6. Hazardous decomposition products

Oxygen

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

General Information	: Exposure Routes: Inhalation and Oral.Target organ effects:Skin Corrosive and respiratory and eye irritan
Acute toxicity	: Acute oral toxicity - LD50, rat, 1,193 - 1,270 mg/kg (H2O2 35 %) Acute inhalation toxicity - LC50, 4 h, rat, > 0.17 mg/l (H2O2 50 %), Remarks: vapour Acute dermal toxicity- LD50, rabbit, > 2,000 mg/kg (H2O2 35 %)
Serious eye damage/irritation	: Eye irritation - rabbit, Severe eye irritation (H2O2 10 %)
Skin irritation and corrosive	: Skin irritation- rabbit, Skin irritation (H2O2 35 %)
Skin sensitization	: Skin sensitization should not occur when used as recommended.
Inhalation	: Skin irritation- rabbit, Skin irritation (H2O2 35 %)
Ingestion	: No data available

CMR effects (Carcinogenity) :

This product is not considered to be a carcinogen by IARC1,ACGIH2,NTP 3or OSHA4. Oral, Prolonged exposure, mouse, Target Organs: duodenum, carcinogenic effects
- Dermal, Prolonged exposure, mouse, Animal testing did not show any carcinogenic effects

CMR effects (Mutagenicity and Toxicity for reproduction) :

-No indication of mutagenicity when tested in vitro in the Bacterial Reverse Mutation Assay and in vivo using the Micronucleus Assay.
-Genetic toxicity in vitro
- In vitro tests have shown mutagenic effects.
-Genetic toxicity in vivo
- In vivo tests did not show mutagenic effects

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- Substance is totally biotransformed (metabolised).
- study scientifically unjustified

Other Toxicological Effects:

Allergic Effects No data available

Effects on Repeated Doses Chronic Exposures: Chronic toxicity

- Oral, 90-day, mouse, Target Organs: Gastrointestinal tract,
Lowest observable effect level: 300 ppm,
LOAEL
- Oral, 90-day, mouse, NOEL: 100 ppm, NOAEL
- Inhalation, 28-day, rat, Target Organs: Respiratory system,
Lowest observable effect level: 10 ppm,
LOAEL, vapour
- Inhalation, 28-day, rat, NOEL: 2 ppm, NOAEL, vapour

Sensitization Guinea pig; Did not cause sensitization on laboratory animals

Developmental Toxicity (Teratogenicity) No data available.

Fertility No data available.

Toxicokinetics No data available

STOT-single/repeated exposures:

STOT-single exposure No data available

STOT-repeated exposure No data available.

Symptoms related to the physical, chemical and toxicological characteristics:**In case of inhalation:** Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough. - Risk of: Nose bleeding, chronic bronchitis.**In case of skin contact:** Irritation - Risk of: Burn**In case of eye contact:** Severe eye irritation - Risk of serious damage to eyes. - Symptoms: Redness, Lachrymation, Swelling of tissue**In case of ingestion:** Severe irritation**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity****Hidrogen Peroxide**

Acute toxicity - Fishes, Pimephales promelas, LC50, 96 h, 16.4 mg/l

- Fishes, Pimephales promelas, NOEC, 96 h, 4.3 mg/l

- Crustaceans, Daphnia pulex, EC50, 48 h, 2.4 mg/l

Remarks: fresh water, semi-static test

- Crustaceans, Daphnia pulex, NOEC, 48 h, 1 mg/l

Remarks: fresh water, semi-static test

Chronic toxicity - Algae, Skeletonema costatum, EC50, growth rate, 72 h, 2.6 mg/l

- Algae, Skeletonema costatum, NOEC, 72 h, 0.63 mg/l

- Algae, Chlorella vulgaris, EC50, Growth rate, 72 h, 4.3 mg/l

- Algae, Chlorella vulgaris, NOEC, 72 h, 0.1 mg/l

12.2. Persistence and degradability

No data available.

12.3. Effects on Waste Water Treatment Plants

Product has inhibitory effects on the activities of micro-organisms, whether the information is not related, the likely impact on waste water treatment plants is unknown.

12.4. Mobility in soil

Highly soluble in water, 100%

Water pump class No data

Clean Water Effect No data

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No data from known or source of origin

12.5. Results of PBT and vPvB assessment

Persistence and degradability

Abiotic degradation

- Air, indirect photo-oxidation, t 1/2 24 h

Conditions: sensitizer: OH radicals

- Water, redox reaction, t 1/2 120 h

Conditions: mineral and enzymatic catalysis, fresh water, salt water

- Soil, redox reaction, t 1/2 12 h

Conditions: mineral and enzymatic catalysis

Biodegradation

- aerobic, t 1/2 < 2 min

Conditions: biological treatment sludge

Remarks: Readily biodegradable. - aerobic, t 1/2 from 0.3 - 5 d

Conditions: fresh water

Remarks: Readily biodegradable. - anaerobic

Conditions: Soil/sediments

Remarks: not applicable

Bioaccumulation Potential : Bioaccumulative potential: -1.57

Result: Does not bioaccumulate.

12.6. Other adverse effects

log Pow@20oC: 1.78 x 10-12 Harmful to aquatic life. Do not allow to be released into the environment

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements. Contact specialist disposal companies. Environmental manager must be informed of all major spillages.

SECTION 14: TRANSPORT INFORMATION**General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards**Environmentally Hazardous Substance/Marine Pollutant**

It is not an Environmentally Harmful Substance / Marine Pollutant.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Approved Code Of Practice**Classification and Labelling of Substances and Preparations Dangerous for Supply.
Safety Data Sheets for Substances and Preparations.**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures..

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

ATE: Acute Toxicity Estimate.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

All of the Hazard Statements**H302** Harmful if swallowed.**H314** Causes severe skin burns and eye damage.**H315** Causes skin irritation.**H318** Causes serious eye damage.**H319** Causes serious eye irritation.**H272** May intensify fire, oxidizing.**H332** Harmful by inhalation.**H400** Very toxic to aquatic life.**H411** Toxic to aquatic life with long lasting effects.**H335** May cause respiratory irritation.**Revision Comments: -*****Prepared the Safety Data Sheet***

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