

SAFETY DATA SHEET

Issuing Date 07-Aug-2013

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Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name Liquid Oxy Plus

Other means of identification

Product Code(s) 7025

UN-Number UN2984

Synonyms Oxy Plus

Recommended use of the chemical and restrictions on use

Recommended Use Institutional laundry destainer

Uses advised against No information available

Supplier's details

Supplier Address
Advantage Chemical, LLC
27375 Via Industria
Temecula CA 92590
TEL: 855.238.2436

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

| | |
|-----------------------------------|------------|
| Serious Eye Damage/Eye Irritation | Category 1 |
|-----------------------------------|------------|

GHS Label elements, including precautionary statements

Emergency Overview

| | |
|---|---------------|
| Signal Word Hazard Statements • Causes serious eye damage | Danger |
|---|---------------|

**Appearance** Liquid**Physical State** Liquid.**Odor** No information available**Precautionary Statements****Prevention**

- Wear eye/face protection.

General Advice

- None

Eyes

- 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 or doctor/physician.

Storage

- None

Disposal

- None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Liquid Oxy Plus - 7025

| Chemical Name | CAS-No | Weight % | Trade secret |
|-------------------|-----------|----------|--------------|
| Hydrogen peroxide | 7722-84-1 | 10-15 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of necessary first-aid measures**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact

Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Most important symptoms/effects, acute and delayed**Most Important Symptoms/Effects** No information available.**Indication of immediate medical attention and special treatment needed, if necessary****Notes to Physician** Treat symptomatically.**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

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

Unsuitable Extinguishing Media None**Specific Hazards Arising from the Chemical**

No information available

Explosion Data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None**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.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.**Environmental Precautions****Environmental Precautions** Dispose of contents/container to an approved waste disposal plant.**Methods and materials for containment and cleaning up****Methods for Containment** Stop leak if you can do it without risk**Methods for Cleaning Up** Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water. Large spillage: Soak up with inert absorbent material.**7. HANDLING AND STORAGE****Precautions for safe handling****Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.**Conditions for safe storage, including any incompatibilities****Storage** Store at room temperature. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products Reducing agents. Salts. Heavy metals. Particulate matter. Alkaline materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------------|------------|--|--|
| Hydrogen peroxide 7722-84-1 | TWA: 1 ppm | TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³ | IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³ |

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Chemical resistant goggles must be worn. Face-shield.
Skin and Body Protection Rubber gloves. Latex gloves
Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical State | Liquid | Appearance | Liquid |
| Odor | No information available | Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|--|---------------------|--------------------------|
| pH | 6.5 | None known |
| Melting Point/Range | No data available | None known |
| Boiling Point/Boiling Range | > 100 °C / > 212 °F | None known |
| Flash Point | No data available | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limits in Air | | |
| upper flammability limit | No data available | |
| lower flammability limit | No data available | |
| Vapor Pressure | No data available | None known |
| Vapor Density | No data available | None known |
| Relative Density | No data available | None known |
| Specific Gravity | 1.05 | None known |
| Water Solubility | 100% | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Viscosity | 5 cps | None known |

Flammable Properties Not flammable

Explosive Properties No data available

Oxidizing Properties No data available

Other information

VOC Content (%) No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Incompatible products. Do not expose to extreme temperatures.

Incompatible materials

Reducing agents. Salts. Heavy metals. Particulate matter. Alkaline materials.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information****Inhalation**

May cause irritation of respiratory tract.

Eye Contact

Causes serious eye irritation.

Skin Contact

May cause irritation.

Ingestion

No known hazard by swallowing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-------------------|---------------------|---|----------------------|
| Water | 90 mL/kg (Rat) | - | - |
| Hydrogen peroxide | = 801 mg/kg (Rat) | = 4060 mg/kg (Rat) = 2000 mg/kg (Rabbit) | = 2 mg/L (Rat) 4 h |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-------------------|-------|---------|-----|------|
| Hydrogen peroxide | A3 | Group 3 | | |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3: Not Classifiable as to its Carcinogenicity to Humans

| | |
|---------------------------------|---------------------------|
| Reproductive Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration Hazard | No information available. |

Numerical measures of toxicity - Product**Acute Toxicity**

The following values are calculated based on chapter 3.1 of the GHS document:

| | |
|-----------------------------|-------------------------------------|
| LD50 Oral | 3598 mg/kg; Acute toxicity estimate |
| LD50 Dermal | 8984 mg/kg; Acute toxicity estimate |
| Inhalation dust/mist | 6.7 mg/L; Acute toxicity estimate |
| Vapor | 49 mg/L; Acute toxicity estimate |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|--------------------------------|---|---|----------------------------|---|
| Hydrogen peroxide 7722-84-1 | EC50 72 h: = 2.5 mg/L (Chlorella vulgaris) | LC50 96 h: 10.0-32.0 mg/L static (Oncorhynchus mykiss) LC50 96 h: 18-56 mg/L static (Lepomis macrochirus) LC50 96 h: = 16.4 mg/L (Pimephales promelas) | | EC50 48 h: 18 - 32 mg/L Static (Daphnia magna) EC50 24 h: = 7.7 mg/L (Daphnia magna) |

Persistence and Degradability No information available.**Bioaccumulation** No information available.**Other Adverse Effects**

No information available.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations**Contaminated Packaging** Do not re-use empty containers.

| Chemical Name | California Hazardous Waste |
|-------------------|---|
| Hydrogen peroxide | Toxic Corrosive Ignitable Reactive |

14. TRANSPORT INFORMATION**DOT** Not regulated

Not regulated

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|----------|
| TSCA | Complies |
| DSL | Complies |
| EINECS | Complies |
| IECSC | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend

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

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Hydrogen peroxide | X | X | X | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|-------------------|--------------------------|------------------------------------|----|
| Hydrogen peroxide | | 1000 lb | |

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|-------------------|------------|---------------|--------------|----------|--------------|
| Hydrogen peroxide | X | X | X | | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

| | | | | | | | | |
|-------------|---------------|---|--------------|---|-----------------|---|-------------------------------|---|
| <u>NFPA</u> | Health Hazard | 2 | Flammability | 0 | Instability | 0 | Physical and Chemical Hazards | - |
| <u>HMIS</u> | Health Hazard | 2 | Flammability | 0 | Physical Hazard | 0 | Personal Protection | X |

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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet