

GHS

The
Globally Harmonized System
of Classification and Labeling of Chemicals



GHS Compliance Education for H₂Orange₂[®] Concentrate 117[™]

Label Elements, SDS Instructions and Examples

Overview

As of December 1, 2013

- Employees who come into contact with cleaning chemicals as part of his or her jobs must be trained on how to read GHS formatted labels and SDS.
- Why? To ensure employees have the information they need to better protect themselves from chemical hazards in the workplace during the transition period, it is critical that employees understand the new label and SDS formats.

Agenda

- SDS Education
- New SDS Elements You Need to Know
- GHS Label Elements
- How to Use & Understand Labels in the Workplace

SDS – Safety Data Sheets

- Formerly known as “MSDS”
- Standardized 16 section format
- ALL SDS will now be in the same format

Page 1/10

Safety Data Sheet
 according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
 GHS

Printing date 06.03.2013 Revision: 06.03.2013

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: EnviroX™ H2Orange2 Concentrate


Article number: 117

1.2 Relevant identified uses of the substance or mixture and uses advised against
 No further relevant information available.

Application of the substance / the preparation Cleaning agent/ Cleaner


1.3 Details of the supplier of the Safety Data Sheet
Manufacturer/Supplier:
 EnviroX LLC
 P.O. Box 2327, 1938 E. Fairchild St.
 Danville, IL 61834-2327 USA
 Tel 1-217-442-8596

1.4 Emergency telephone number:
 ChemTel Inc.
 (800)255-3924, +1 (813)248-0585



2 Hazards identification

2.1 Classification of the substance or mixture
 Classification according to Regulation (EC) No 1272/2008

 GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

 Xn; Irritant

R36: Irritating to eyes.

Information concerning particular hazards for human and environment:
 The product has 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 is according to the latest editions of the EU-lists, and extended by company and literature data.
 The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
 The product is classified and labelled according to the CLP regulation.

Hazard pictograms

 GHS07

[Cont'd. on page 2]

Safety Data Sheet Sections

What is on an SDS?

- | | | |
|--------------------------------|--------|--|
| 1. Identification | —————→ | Product Identifier & Comp. Info |
| 2. Hazard(s) Identification | —————→ | Product Ingredients & HMIS, NFPA ratings |
| 3. Composition Information | —————→ | What is the chemical made of |
| 4. First-Aid Measures | —————→ | What to do in case of injury |
| 5. Fire-Fighting Measures | —————→ | How to put out a chemical fire |
| 6. Accidental Release Measures | —————→ | In case of chemical spill |
| 7. Handling and Storage | —————→ | Proper storage conditions |
| 8. Exposure Controls/PPE | —————→ | Protective gear needed |

Safety Data Sheet Sections (Cont.)

9. Physical/Chemical Properties	—————→	pH, appearance, VOC, etc
10. Stability and Reactivity	—————→	Materials to avoid with product
11. Toxicological Information	—————→	Toxicity or irritant effects
12. Ecological Information	—————→	Environmental impact
13. Disposal Considerations	—————→	How to dispose of product
14. Transport Information	—————→	Transportation precautions
15. Regulatory Information	—————→	Organizations that approve it
16. Other Information	—————→	Any other relevant information

Personal Protective Equipment (PPE)

Hazard	Task	PPE Required
Eye and Face: Chemical Splash	Chemical Mixing and Use	Safety Goggles/ Face Shield
Whole Body: Chemical Splash	Chemical Mixing and Use	Appropriate Clothing
Foot: Slips	Floor Maintenance	Shoes
Hand: Chemical Splash	Chemical Mixing	Gloves- optional
Respiratory: Inhalation	Not Expected to Be Significant Exposure	None

New SDS Elements You Need to Know

- Product Identifier
- Name, Address, and Phone of the Chemical Manufacturer, Distributor, or Importer
- Pictograms
- Signal Word
- Hazard Statements
- Precautionary Statements
- Hazardous Ingredients

MSDS vs. SDS – What's New


Product Identifier

Manufacturer
Information

Pictogram
Signal Word

Hazard and
Precautionary
Statements

Hazardous Ingredients


SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: EnviroX H2Orange2 Concentrate 117

Other means of identification

Product code: 117

Product registration number: 69268-2

Recommended use: Oxidizing multipurpose Cleaner, Degreaser and Sanitizer (Non-Food Contact Surfaces), Virucide and Deodorizer for Hard, Non-Porous Surfaces

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier EnviroX LLC

Address P.O. Box 2327
1938 E. Fairchild St.
Danville, IL 61834-2327 USA

Telephone 1-217-442-8596

Emergency Phone Number: ChemTel Inc. 800-255-3924, +1-813-248-0585


SECTION 2 –HAZARD(S) IDENTIFICATION

Physical hazards: Not classified.

Health hazards: Serious eye damage/eye irritation Category 2A

OSHA defined hazards: Not classified.

Label elements



Signal Word – Warning

Hazard statement: Causes serious eye irritation.

Precautionary statements:

Prevention: Wash thoroughly after handling. Wear eye/face protection.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): Repeat or prolonged use may result in contact dermatitis in sensitive individuals.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	CAS Number	%
Hydrogen peroxide	7722-84-1	3.75-4.15%
Orange Oil	8008-57-9	<2%

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

Hazard Identification – Pictogram and Signal Word

SECTION 2 –HAZARD(S) IDENTIFICATION

Physical hazards: Not classified.

Health hazards: Serious eye damage/eye irritation Category 2A

OSHA defined hazards: Not classified.

Label elements



Signal Word – Warning

Product pictograms are in Section 2 of all SDS.

Signal Word: “Caution” used to be a signal word option before GHS. Now the least hazardous signal word you can have under GHS is “Warning”. The other signal word that is more hazardous is “Danger”.



H2Orange2 Concentrate 117

- Exclamation Pictogram for Eye Irritation
- “Warning” Signal Word

Hazard Identification – Hazard and Precautionary Statements

Hazard statement: Causes serious eye irritation.

Precautionary statements:

Prevention: Wash thoroughly after handling. Wear eye/face protection.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNO): Repeat or prolonged use may result in contact dermatitis in sensitive individuals.

“Causes serious eye irritation” sounds scary. Should I be worried?

- All concentrated chemicals carry some level of risk. Irritation essentially means that if this concentrate gets in your eye, it will hurt. The good news is that ***it will not damage your eye*** like some other chemicals may.



H2Orange2 Concentrate 117

- Hazard Statement “Causes Serious Eye Irritation”

Hazard Identification – Hazardous Components

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS Number	%
Hydrogen peroxide	7722-84-1	3.75-4.15%
Orange Oil	8008-57-9	<2%

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.



H2Orange2 Concentrate 117

- Contains Hydrogen Peroxide and Orange Oil.

How Label Info is Related to SDS

Information that is on both the Label and SDS:

- Product Identifier
- Signal Word
- Pictograms
- Hazard Statements
- Precautionary statements
- Name, Address, and Phone of the Chemical Manufacturer, Distributor, or Importer

Hazard Identification – H2Orange2 GHS Label Elements

LABEL ELEMENTS

DIRECTIONS FOR USE: IT IS VIOLATION OF FEDERAL LAW TO PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

ENVIROX® H₂Orange2 Concentrate 117, when used as directed, is a sanitizer (1) (B), virucide (2) (B), and fungicide (2) (B). It is also a disinfectant (2) (B). It is not a sterilant. It is not a fumigant. It is not a pest control product. It is not a herbicide. It is not a fungicide. It is not a bactericide. It is not a molluscicide. It is not a nematocide. It is not a parasiticide. It is not a rodenticide. It is not an insecticide. It is not a molluscicide. It is not a nematocide. It is not a parasiticide. It is not a rodenticide. It is not an insecticide.

Wear appropriate barrier protection such as gloves, gowns, masks, and eye protection when handling this product. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

After product is diluted in accordance with directions for use, safety glasses or other eye protection are not required. Product, after dilution according to directions, is non-irritating.

FIRST AID
If in eyes: Hold eye open and flush slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue flushing eyes. Call a poison control center or doctor for treatment advice.
If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not get anything by mouth to an unconscious person.
If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Note to Physician: Probable mucous damage may contraindicate the use of gastric lavage.

HAZARDS TO HUMAN AND DOMESTIC ANIMALS
Caution: Causes moderate eye damage. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.


PESTICIDE STORAGE: Store this product in a cool dry area, away from direct sunlight and heat to avoid deterioration. Avoid freezing conditions. Avoid high temperatures. Do not exceed storage temperatures of 95°F. Best storage temperatures are between 55°F and 85°F. Overheating or storage may result in increased degradation of product, which will decrease product effectiveness. Keep concentrate away from incompatible materials. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

PESTICIDE DISPOSAL: Do not contaminate food or feed by storage, disposal or leaking of equipment. Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

CONTAINER HANDLING: If Empty: Do not reuse container. Place in trash or offer for recycling if available. If Partially Filled: Call your local water for disposal instructions. Never allow unused product down any indoor or outdoor drain, to ground, or into any water body. Empty containers into application equipment or a mix tank and flush for 30 seconds after the flow begins to drip. Fill the container is full with water and recap. Shake for 10 seconds. Pour mixture into application or mix tank or store mixture for later use or disposal. Flush for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Refillable container—Reusing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Environmental: Do not mix with original base and discard in trash, sanitary landfill, or incinerator, or as allowed by state and local authorities, by burning. If burning, stay out of smoke.

Questions? Call 1-800-281-9604



Concentrate 117

Sanitizer/Virucide Cleaner

- Oxidizing multi-purpose cleaner, degreaser & sanitizer (non-food contact surfaces).
- Virucide and deodorizer for hard, non-porous surfaces.
- Carpet extraction for cleaning, deodorizing and killing odor-causing bacteria.

THIS PRODUCT IS NOT TO BE USED AS A TERMINAL STERILANT/DISINFECTANT ON ANY SURFACE OR INSTRUMENT THAT (1) IS INTRODUCED DIRECTLY INTO THE HUMAN BODY, EITHER INTO OR IN CONTACT WITH THE BLOODSTREAM OR NORMALLY STERILE AREAS OF THE BODY, OR (2) CONTACTS INTACT MUCOUS MEMBRANES, BUT WHICH DOES NOT ORIGINALLY PENETRATE THE BLOOD BARRIER OR OTHERWISE ENTER NORMALLY STERILE AREAS OF THE BODY. THIS PRODUCT MAY BE USED TO PENETRATE OR DECONTAMINATE SURFACES OF SOME MEDICAL INSTRUMENTS, SUCH AS GLOVES, GOWNS, MASKS, AND EYE PROTECTION.

CAUTION
KEEP OUT OF REACH OF CHILDREN
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 69268-2
EPA Est. No. 69268-IL-001

Net Contents: One Gallon (3.785 Liters)
El Contenido Neto: Un Galón (3.785 Litros)

ACTIVE INGREDIENT:	
Hydrogen peroxide	3.95%
OTHER INGREDIENTS	
	96.05%
TOTAL	
	100.00%



H2Orange2 Concentrate 117

- Is EPA-Registered.
- NO GHS Information on Label (Pictogram, signal word, etc)
- EPA Language Used Instead
- EPA labels are exempt from GHS requirements.

Hazard Identification – Typical GHS Label Elements

LABEL ELEMENTS

Recommended Cleaning Methods
Daily maintenance cleaning: Using the appropriate cleaning solution (see "Cleaning Solution Dilutions & Applications") for the type of surface to be treated, pre-spray surface, allow 10 mins for detergent to dwell, then wipe surface down. Allow to air dry. If needed use additional solution. For best results, replace mop bucket solution frequently.
Use Green Certified Multi-Purpose Cleaner on any water-safe surface.

Tile and grout or renovation cleaning: Use 8 oz. EnviroX Multi-Purpose Cleaner per gal of cold tap water (16:1). Soak the surface by spraying or pouring. Allow EnviroX Multi-Purpose Cleaner onto the surface. Let sit for 10 minutes, then scrub by machine or hand. Rinse several times with clean cold tap water to remove released soil.

In food establishment facilities: Clean surfaces then rinse with potable water before use.

CLEANING SOLUTION DILUTIONS AND APPLICATIONS
Light Duty: 1/2 oz./gal of cold tap water (160:1):
 • Light wipe down cleaner
 • Wash line glass, mirror and stainless steel dressing
 • General floor cleaner for mopping & auto scratches

Heavy Duty: 8 oz./gal of cold tap water (16:1):
 • Bathroom surfaces
 • Shower stalls
 • Tile & grout cleaning/renovation
 • Heavy soil wipe down cleaner

Use with wall mounted or handheld dispenser. Can also be manually diluted.
El uso con montaje en pared o dispensador de mano. También se puede diluir manualmente.

Formerly **Evolve02**. Same great formula!



ENVIROX | Green Certified

Multi-Purpose Cleaner

Super Concentrate

Pure Crafted

- Clean with the power of hydrogen peroxide.
- Leaves surfaces virtually residue-free.
- Safe to use on any water-safe surface.

! WARNING
CAUSES SERIOUS EYE IRRITATION.
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS
Wash thoroughly after handling.
Wear eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF EYE IRRITATION PERSISTS: Get medical advice.
Contains: Water, hydrogen peroxide, mildly biodegradable non-ionc and anionic (last named surfactants and solvents, and fragrance.
Protective equipment: Safety gloves, gloves and protective work clothing are recommended when handling concentrate.
Use only as directed. Do not follow label directions in surface damage or personal injury.

CONSEJOS DE PRUDENCIA
Lavarse concienzudamente tras la manipulación.
Llevar gafas de protección.
EN CASO DE CONTACTO CON LOS OJOS: Lavar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.
SI PERSISTE LA IRRITACIÓN OCULAR: Consultar a un médico.
Contiene: Agua, agua oxigenada, surfactantes y aditivos biodegradables y basados en plantas (últimos se-losos y sintéticos y perfume.
Equipo Protector: Se recomienda llevar guantes, ropa de trabajo protectora y botas de seguridad cuando usando el concentrado.
Utilice solamente según las indicaciones del rótulo. Si no se siguen las indicaciones del rótulo puede resultar en lesiones personales y daños en la superficie.

EnviroX, L.L.C. • 1938 E. Fairchild St., Danville, IL 61832 • Phone: (800) 281-9604



WARNING
CAUSES SERIOUS EYE IRRITATION.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EnviroX, L.L.C. • 1938 E. Fairchild St., Danville, IL 61832 • Phone: (800) 281-9604

PRECAUTIONARY STATEMENTS

Wash thoroughly after handling.

Wear eye protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF EYE IRRITATION PERSISTS: Get medical advice.

Non-EPA registered chemical labels should include the pictogram, signal word, hazard statements and precautionary statements on the label along with manufacturer information.

How to Use the Labels in the Workplace

- You have extra bottles of H₂Orange₂ Concentrate 117 in your facility. How do you ensure they are stored properly?
 - Read the product label under the “Storage and Disposal” section and follow proper storage instructions.
 - See Section 7 of the SDS: “Handling and Storage”
- **SITUATION:** An employee accidentally splashes chemical in their eyes and is in pain from it. What do you do?
 - If accidental chemical spray to the eyes happens, read (or have some else read if you are unable) the label under the “First Aid” section and take appropriate actions.
 - See Section 4 of the SDS: “First Aid Measures”

Additional Materials: OSHA Quick Cards and Briefs

<http://www.osha.gov/dsg/hazcom/index.html>

- Label QuickCard (English/Spanish)
- Pictogram QuickCard (English/Spanish)
- Safety Data Sheet QuickCard (English/Spanish)
- Safety Data Sheet OSHA Brief
- Label/Pictogram OSHA Brief

Have more questions? Check out the **EnviroX Online GHS Center:**

<http://www.enviroxclean.com/ghs-globally-harmonized-system/>

EnvirOx is GHS Ready!

- All EnvirOx products are currently GHS-Compliant.
- We were compliant months ahead of the manufacturer deadline!

Other GHS Deadlines:

Distributors must be fully compliant by December 1st, 2015. This means after this date, they can not ship out products without a GHS-compliant label & SDS.

End users must have full GHS compliance by June 1st, 2016. This means all chemicals used within a facility must have a GHS-compliant label & SDS by this date.

Questions?

Thank you!