

# SUFFUSION™ LIQUID

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

Trade name . . . . . : SUFFUSION LIQUID

Product type . . . . . : Liquid Concentrate

EPA Registration No. . . . . : NA

Identified uses . . . . . : A wetting agent for growing media

### Details of the supplier of the safety data sheet

Company information . . . . : OHP, Inc.  
PO Box 746  
Bluffton, SC 29910-0746  
(800) 659-6745

### Emergency telephone numbers

#### TRANSPORTATION EMERGENCY

(24 hours a day) call . . . . : Chemtrec: 1-800-424-9300

#### MEDICAL EMERGENCY (24 hours a day) and Product

Information call . . . . . : 1-800-356-4647

### SDS Information

or Request . . . . . : ohp.com

Signal word . . . . . : Danger

### Hazard-determining

components of labeling . . : Alcohols, ethoxylate

Hazard statements . . . . . : Causes serious eye damage.  
Causes skin irritation.  
Causes serious eye irritation.  
Harmful if swallowed.

Precautionary statements . : If medical advice is needed, have product container or label at hand. Keep out of reach of children.  
Read label before use. Do not eat drink or smoke when using this product  
Wear protective gloves. Wear eye protection / face protection.  
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/doctor.

## 2. HAZARDS(S) IDENTIFICATION

### Classification of the substance or mixture



GHS05 Corrosion

Eye Dam. 1 . . . . . : H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 . . . . . : H315 Causes skin irritation.

Eye Irrit. 2A . . . . . : H319 Causes serious eye irritation.

### Label elements

GHS label elements . . . . . : The product is classified and labeled according to the Globally Harmonized System (GHS).

### Hazard pictograms



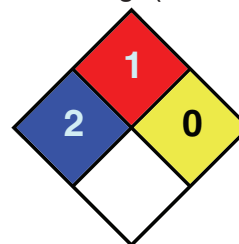
GHS05



GHS07

### Classification system:

#### NFPA ratings (scale 0 - 4)



Health = 2  
Fire = 1  
Reactivity = 0

#### HMIS-ratings (scale 0 - 4)

HEALTH	2
FIRE	1
REACTIVITY	0

Health = 2  
Fire = 1  
Reactivity = 0

### Other hazards

#### Results of PBT and vPvB assessment

PBT . . . . . : Not applicable.

vPvB . . . . . : Not applicable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization . : Mixtures

Description . . . . . : Mixture of the substances listed below with nonhazardous additions.

# SUFFUSION™ LIQUID

**Dangerous components:**

Alcohols,	ethoxylate	50-100%
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**4. FIRST AID MEASURES**

**Description of first aid measures**

**After inhalation** . . . . . : Supply fresh air; consult doctor in case of complaints.

**After skin contact** . . . . . : Generally the product does not irritate the skin.

**After eye contact** . . . . . : Remove contact lenses if able to do so.  
Rinse opened eye for several minutes under running water. Then consult a doctor.

**After swallowing** . . . . . : Do not induce vomiting; immediately call for medical help.  
A person vomiting while lying on their back should be turned onto their side.

**Most important symptoms and effects, both acute and delayed** . . : Allergic reactions  
Nausea  
Gastric or intestinal disorders

**Indication of any immediate medical attention and special treatment needed** : Treat skin and mucous membrane with antihistamine and corticoid preparations.  
Medical supervision for at least 48 hours.

**5. FIREFIGHTING MEASURES**

**Extinguishing media**

**Suitable extinguishing agents** . . . . . : CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture** . . . : Phosgene gas  
Hydrogen chloride (HCl)  
Carbon monoxide (CO)

**Advice for firefighters**

**Protective equipment** . . . : Wear self-contained respiratory protective device.

**Additional information** . . . . : Collect contaminated fire fighting water separately. It must not enter the sewage system.  
Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures** . . . : Not required.

**Environmental precautions** : Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up** . . . . . : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

**Reference to other sections**: See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7. HANDLING AND STORAGE**

**Precautions for safe handling** . . . . . : Ensure good ventilation/ exhaustion at the workplace.  
Prevent formation of aerosols.

**Information about protection against explosions and fires** . . . . . : Protect from heat.

**Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles** . . . . . : No special requirements.

**Information about storage in one common storage facility** . . . . . : Store away from oxidizing agents.  
Store away from foodstuffs.

**Further information about storage conditions** . . . . . : Protect from heat and direct sunlight.

**Specific end use(s)** . . . . . : No further relevant information available.

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**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** . . . . . : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information** . . . . . : The lists that were valid during the creation were used as basis.

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures** . . . . . : Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.

**Breathing equipment** . . . . . : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Protection of hands** . . . . . : The glove material has to be impermeable and resistant to the product/the substance/the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves** . . . . . : Neoprene gloves  
Nitrile rubber, NBR  
Fluorocarbon rubber (Viton)  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material** . . . . . : The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Not suitable are gloves made of the following materials** . . . . . : Strong gloves  
Leather gloves

**Eye protection** . . . . . : Goggles recommended during refilling.  
Safety glasses

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

**Form** . . . . . : Liquid  
**Color** . . . . . : Colorless  
**Odor** . . . . . : Mild  
**Odour threshold** . . . . . : Not determined.

**pH-value at 20 °C (68 °F)** . . . : 6.8 - 7.1

**Change in condition**

**Melting point/ Melting range** . . . . . : Undetermined.

**Boiling point/ Boiling range** . . . . . : Undetermined.

**Flash point** . . . . . : > 60°C (> 140 °F)

**Flammability (solid, gaseous)** . . . . . : Not applicable.

**Ignition temperature** . . . . . : 460°C (860 °F)

**Decomposition temperature** . . . . . : Not determined.

**Auto igniting** . . . . . : Product is not selfigniting.

**Danger of explosion** . . . . . : Product does not present an explosion hazard.

**Explosion limits:**

**Lower** . . . . . : Not determined.  
**Upper** . . . . . : Not determined.

**Vapor pressure** . . . . . : Not determined.

**Density at 20 °C (68 °F)** . . . : 1.025 g/cm<sup>3</sup>  
(8.554 lbs/gal)

**Relative density** . . . . . : Not determined.

**Vapour density** . . . . . : Not determined.

**Evaporation rate** . . . . . : Not determined.

**Solubility in / Miscibility with Water** . . . . . : Fully miscible.

**Partition coefficient (n-octanol/water)** . . . . . : Not determined.

**Viscosity:**

**Dynamic** . . . . . : Not determined.  
**Kinematic** . . . . . : Not determined.

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**Solvent content:**

**Organic solvents** . . . . .: 0.0 %

**Water** . . . . .: 4.8 %

**Solids content** . . . . .: 95.15 %

**Other information.** . . . . .: No further relevant information available.

**10. STABILITY AND REACTIVITY**

**Reactivity**

**Chemical stability**

**Thermal decomposition / conditions to be avoided** . . . . .: No decomposition if used according to specifications.

**Possibility of hazardous reactions** . . . . .: Reacts with acids, alkalis and oxidizing agents.

**Conditions to avoid** . . . . .: No further relevant information available.

**Incompatible materials** . . . . .: No further relevant information available.

**Hazardous decomposition products** . . . . .: Carbon monoxide and carbon dioxide

**11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity:**

**Primary irritant effect**

**On the skin** . . . . .: Irritant to skin and mucous membranes.

**On the eye.** . . . . .: Strong irritant with the danger of severe eye injury.

**Sensitization** . . . . .: Sensitizing effect by skin contact is possible with prolonged exposure.

**Additional toxicological information** . . . . .: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)** . . . . .: 1

**NTP (National Toxicology Program)** . . . . .: None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)** . . . . .: None of the ingredients is listed.

**12. ECOLOGICAL INFORMATION**

**Toxicity**

**Aquatic toxicity** . . . . .: No further relevant information available.

**Persistence and degradability.** . . . . .: No further relevant information available.

**Bioaccumulative potential** . . . . .: No further relevant information available.

**Mobility in soil** . . . . .: No further relevant information available.

**Results of PBT and vPvB assessment**

**PBT** . . . . .: Not applicable.

**vPvB** . . . . .: Not applicable.

**Other adverse effects** . . . . .: No further relevant information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Uncleaned packagings:**

**Recommendation.** . . . . .: Disposal must be made according to official regulations.

**Recommended cleansing agent** . . . . .: Water, if necessary with cleansing agents.

**14. TRANSPORTATION INFORMATION**

**UN number**

**DOT** . . . . .: Not regulated

**UN proper shipping name**

**DOT** . . . . .: Not regulated

**Transport hazard class(es)**

**DOT** . . . . .: Not applicable

**Packing group**

**DOT** . . . . .: Not applicable

**Environmental hazards** . . . . .: No

**Marine pollutant.** . . . . .: No

**Transport in bulk according to Annex II of MARPOL73/78 and the**

**IBC Code.** . . . . .: Not applicable.

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**Transport/Additional information:**

**DOT**

**Quantity limitations** . . . . . : Not Applicable

**UN "Model Regulation"** . . . . . : Not regulated

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Sara**

**Section 355 (extremely hazardous substances)** : None of the ingredients is listed.

**Section 313 (Specific toxic chemical listings)** . . . . . : None of the ingredients is listed.

**TSCA (Toxic Substances Control Act)** . . . . . : All ingredients are listed.

**Proposition 65**

**Chemicals known to cause cancer** . . . . . : None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females** . . . . . : None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males** . . . . . : None of the ingredients is listed.

**Chemicals known to cause developmental toxicity** : None of the ingredients is listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)** . . . . . : None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)** . . . . . : None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)** . . . . . : None of the ingredients is listed.

**GHS label elements** . . . . . : The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**



GHS05

GHS07

**Signal word** . . . . . : Danger

**Hazard-determining components of labeling** . . : Alcohols, ethoxylate

**Hazard statements** . . . . . : Causes serious eye damage.  
Harmful if swallowed.  
Causes skin irritation.

**Precautionary**

**statements** . . . . . : If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves.  
Wear eye protection / face protection.  
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/doctor.

**Chemical safety**

**assessment** . . . . . : A Chemical Safety Assessment has not been carried out.

**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.

**Date of preparation /**

**last revision** . . . . . : 01/13/2017

**Abbreviations and acronyms:**

**ADR** . . . . . : Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

**IMDG** . . . . . : International Maritime Code for Dangerous Goods

**DOT** . . . . . : US Department of Transportation

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**IATA** .....: International Air Transport Association

**ACGIH** .....: American Conference of Governmental Industrial Hygienists

**EINECS** .....: European Inventory of Existing Commercial Chemical Substances

**ELINCS** .....: European List of Notified Chemical Substances

**CAS** .....: Chemical Abstracts Service (division of the American Chemical Society)

**NFPA** .....: National Fire Protection Association (USA)

**HMIS** .....: Hazardous Materials Identification System (USA)

**Eye Dam. 1** .....: Serious eye damage/eye irritation, Hazard Category 1

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