

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



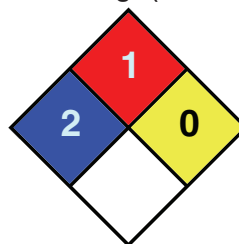
GHS05



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%

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/cm³
(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

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Precautionary statements

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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

Suffusion is a trademark of AmegA Sciences, Inc.

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