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# MATERIAL SAFETY DATA SHEET

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**TRANSPORTATION EMERGENCY**  
CHEMTREC: .....(800) 424-9300

**EMERGENCY (24 hours a day) AND PRODUCT INFORMATION**  
OHP, Inc.: .....(800) 356-4647

## Suffusion™ Liquid

### I. CHEMICAL PRODUCT DESCRIPTION

**Chemical Family** .....: Proprietary blend of surfactants.  
**Product Description** .....: Clear colorless liquid  
**Use of the Product** .....: Wetting agent for growing media

### II. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	WT %
NONYLPHENOL ETHOXYLATE	9016-45-9	> 30%

### III. HAZARDS IDENTIFICATION

This product is not hazardous. May cause long term adverse effects in the aquatic environment.

### IV. FIRST AID MEASURES

**Skin Contact** .....: Flush with plenty of water and if irritation persists seek medical attention.  
**Eye Contact** .....: Irrigate the eye with water or eye wash solution and seek medical attention.  
**Ingestion** .....: If swallowed, rinse with water if the person is conscious. Consult a doctor.  
**Notes to Physician** .....: Treat as symptomatic.

### V. FIRE FIGHTING MEASURES

Material is not flammable.  
**Suitable Extinguishing Media** .....: Dry chemical powder, carbon dioxide, alcohol resistant foam, water spray of fog, sand or earth.  
**Special Fire Precautions** .....: Not available  
**Hazardous Combustion Products** .....: Carbon monoxide may be given off if incomplete combustion occurs.  
**Fire Personal Precautions** .....: Do not allow product to enter eyes. Avoid inhalation and skin contact.  
**Fighting Equipment/Protocol** ..: Full protective clothing and self-contained breathing apparatus.  
**Personal Precautions** .....: Do not allow product to enter eyes. Avoid inhalation and skin contact.

### VI. ACCIDENTAL RELEASE MEASURES

**Environmental Precautions:**  
Small spills .....: Avoid washings entering water courses  
Large spills .....: Dispose of according to local authority guidelines  
**Methods for cleaning up:**  
Small spills .....: Use sand or any suitable medium  
Absorb large spillages with sand or any suitable medium.  
Refer to Section XIII for disposal of spilled material

### VII. HANDLING AND STORAGE

**Handling** .....: Avoid skin and eye contact  
**Storage** .....: Store at ambient temperatures. Keep from freezing

### VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limit Values** .....: Not available  
**Occupational Exposure Controls**  
**Respiratory Protection** .....: Not necessary unless used in a confined space.  
**Hand Protection** .....: Not necessary but it is always advisable to wear gloves when handling chemicals.  
**Eye Protection** .....: Not necessary but it is always advisable to wear goggles when handling chemicals.  
**Skin Protection** .....: Not necessary but it is always advisable to wear suitable overalls when handling chemicals.

### ENVIRONMENTAL EXPOSURE CONTROLS:

Do not contaminate ponds, waterways, lakes or other water bodies.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor** .....: Colorless Liquid  
**Boiling Point** .....: Not established  
**Pour Point** .....: >50°C  
**Flash Point** .....: >100°C  
**Density** .....: 1.025±1.010  
**Evaporation Rate** .....: Not established  
**pH** .....: 7±1

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**Solubility in Water** . . . . .: Highly Soluble  
**Vapor Density** . . . . .: Not established  
**Vapor Pressure** . . . . .: Not measured  
**Auto Flammability** . . . . .: Auto ignition temperature >450°C

**NOTE** . . . . .: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification for the product.

### X. STABILITY AND REACTIVITY

**Conditions to Avoid** . . . . .: Extremes of temperature  
**Materials to Avoid** . . . . .: Strong oxidising agents  
**Hazardous Decomposition Products** . . . . .: In combustion emits toxic fumes of carbon dioxide/carbon monoxide

### XI. TOXICOLOGICAL INFORMATION

**Oral LD50 (rat):** LD50>5000 mg/Kg  
**Inhalation LD50 (rat):** Expected to be of low toxicity. LC50>5000 mg/Kg  
**Dermal LD50 (rabbit):** >2000 mg/Kg  
**Skin Irritation** Non Irritant  
**Skin Sensitisation** . . . . .: Not a skin sensitizer.  
**Eye Contact** . . . . .: Will cause slight transient (temporary) eye irritation.  
**Ingestion** . . . . .: May cause nausea. No toxic effect expected. Irritation to the digestive system can occur.

### XII. ECOLOGICAL INFORMATION

**Persistence/Degradability** . . . . .: Readily biodegradable  
**Bioaccumulation** . . . . .: Bioaccumulation is unlikely to occur due to metabolism and excretion.  
**Acute toxicity** - Fish LC/EC/IC 50: >5000 mg/l  
**Acute toxicity** - Algae LC/EC/IC 50: >100 mg/l  
**Acute toxicity** - Daphnia LC/EC/IC 50: >100 mg/l  
**Toxicity threshold for bacteria is 5,636 mg/l**

### XIII. DISPOSAL CONSIDERATIONS

**Product** . . . . .: Recover or recycle if possible.

For large quantities seek advice from specialist waste disposal company.

**Container** . . . . .: Drain container thoroughly. Rinse three times with water. Recover or recycle if possible.

### XIV. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGVSee ICAO/IATA)

**US Department of Transportation**

**Shipping Name** . . . . .: NOT REGULATED

### XV. REGULATORY INFORMATION

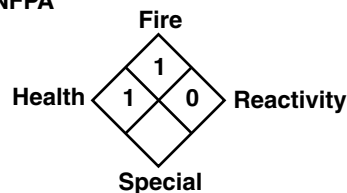
Listed in the UNITED STATES under TSCA and under DSL in Canada CANADA (DSL)

### XVI. OTHER INFORMATION

**National Fire Protection Association Hazard ratings—NFPA (R):**

1 Health Hazard Rating – Slight  
1 Flammability Rating – Slight  
0 Reactivity Rating – Minimal

NFPA



The information and recommendations accumulated herein are believed to be accurate but is not warranted to be, whether originating from OHP, Inc. or not. No warranty is implied. Since conditions of use are beyond OHP, Inc. control, user assumes all risk.

Suffusion is a trademark of AmegA Sciences, Inc.

