

# MATERIAL SAFETY DATA SHEET



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

**EMERGENCY AND PRODUCT INFORMATION**  
OLYMPIC .....(800)-356-4647

## SUFFUSION™ LIQUID

### I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

**Product Name** ..... Suffusion Liquid  
**Use/Description of Product** : Growing media wetting agent

### II. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients** ..... NONYLPHENOL  
ETHOXYLATE > 30%  
CAS: 9016-45-9  
[Xi] R36; [-] R53

### III. HAZARDS IDENTIFICATION

**Main Hazards** ..... May cause long-term adverse effects in the aquatic environment.

### IV. FIRST AID MEASURES (SYMPTOMS)

**Skin Contact** ..... There may be irritation and redness at the site of contact.  
**Eye Contact** ..... There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.  
**Ingestion** ..... There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.  
**Inhalation** ..... There may be irritation of the throat with a feeling of tightness in the chest.

### IV. FIRST AID MEASURES (ACTION)

**Skin Contact** ..... Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.  
**Eye Contact** ..... Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.  
**Ingestion** ..... Wash out mouth with water. Do not induce vomiting. If conscious, give 16 ounces of water to drink immediately. Consult a doctor.  
**Inhalation** ..... Remove casualty from exposure ensuring one's own safety while doing so.

### V. FIRE-FIGHTING MEASURES

**Extinguishing Media** ..... Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.  
**Exposure Hazards** ..... In combustion emits toxic fumes of carbon dioxide / carbon monoxide.  
**Protection of Fire-Fighters** : Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### VI. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** ..... Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not attempt to take action without suitable protective clothing – see section VIII of MSDS. Turn leaking containers leak-side up to prevent the escape of liquid.  
**Environmental Precautions** : Do not discharge into drains or rivers. Dike the spillage to contain it.  
**Clean-up Procedures** ..... Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

### VII. HANDLING AND STORAGE

**Handling Requirements** ..... Avoid direct contact with substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.  
**Storage Conditions** ..... Store in cool, well ventilated area. Keep container tightly closed.

### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures** ..... Ensure there is sufficient ventilation of the area.  
**Respiratory Protection** ..... Self-contained breathing apparatus must be available in case of emergency.  
**Hand Protection** ..... Protective gloves.  
**Eye Protection** ..... Tightly fitting safety goggles. Ensure eye bath is on hand.  
**Skin Protection** ..... Protective clothing.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

**State** ..... Liquid  
**Color** ..... Colorless  
**Odor** ..... Barely perceptible odor  
**Solubility in Water** ..... Highly soluble  
**Viscosity** ..... Slightly viscous  
**Relative Density** ..... 1.025 ± 0.010  
**pH** ..... 7 ± 1

### X. STABILITY AND REACTIVITY

**Stability** ..... Stable under normal conditions.  
**Conditions to Avoid** ..... Heat.  
**Materials to Avoid** ..... Strong oxidizing agents.  
**Haz. Decomp. Products** ..... In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

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### XI. TOXICOLOGICAL INFORMATION

**Acute Toxicity** . . . . . : SUFFUSION LIQUID  
**Eye Irritation Test (RBT)** . . . . . : No corneal involvement  
ORAL RAT LD50>3535 mg/kg  
SKIN RABBIT LD50>5000 mg/kg  
Cutaneous irritation test (RABBIT): Score  
0.4, no irritation at 72 hours  
**Routes of Exposure** . . . . . : Refer to section IV. of MSDS  
for routes of exposure and corresponding  
symptoms.

### XII. ECOLOGICAL INFORMATION

**Mobility** . . . . . : Readily absorbed into soil.  
**Persistence and degradability** . . . . . : Biodegradable in part only.  
**Bioaccumulative Potential** . . . . . : Bioaccumulation potential.  
**Other Adverse Effects** . . . . . : May cause long-term  
adverse effects in the aquatic environment.

### XIII. DISPOSAL CONSIDERATIONS

**NB** . . . . . : The user's attention is drawn  
to the possible existence of regional or national  
regulations regarding disposal.

### XIV. TRANSPORT INFORMATION

**ADR / RID**  
**UN No** . . . . . : -  
**Shipping name** . . . . . : 'NOT SUBJECT TO ADR'  
**IMDG / IMO**  
**UN No** . . . . . : -  
**IATA / ICAO**  
**UN No** . . . . . : -

### XV. REGULATORY INFORMATION

**Hazard Symbols** . . . . . : No significant hazard.  
**Risk Phrases** . . . . . : R533: May cause long-term  
adverse effects in the aquatic environment.  
**Safety Phrases** . . . . . : S61: Avoid release to the  
environment. Refer to special instructions /  
material safety data sheet.  
**Note** . . . . . : The regulatory information  
given above only indicates the principal regu-  
lations specifically applicable to the product  
described in the material safety data sheet.  
The user's attention is drawn to the possible  
existence of additional provisions which com-  
plete these regulations. Refer to all applica-  
ble national, international and local regula-  
tions or provisions.

### XVI. OTHER INFORMATION

**Risk Phrases Used in s.II** . . . . . : R36: Irritating to eyes.  
R53: May cause long-term  
adverse effects in the aquat-  
ic environment.

**Legal Disclaimer** . . . . . : The above information is  
believed to be correct but does not purport to  
be all inclusive and shall be used only as a  
guide. Olympic Horticultural Products shall  
not be held liable for any damage resulting  
from handling or from contact with the above  
product.

Suffusion is trademark of AmegA Sciences.

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