

MATERIAL SAFETY DATA SHEET



OLYMPIC HORTICULTURAL PRODUCTS, CO.
P.O. BOX 230, MAINLAND, PA 19451
800-659-6745

Approval Date: 06/29/04
Supersedes: 05/03/99

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. Decom. Products In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

MATERIAL SAFETY DATA SHEET

SUFFUSION™ LIQUID

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

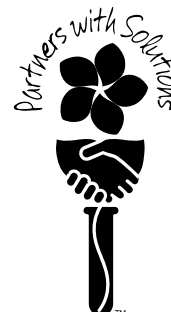
Risk Phrases Used in s.II : R36: Irritating to eyes.
R53: May cause long-term
adverse effects in the aquat-
ic environment.

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.

OLYMPIC
HORTICULTURAL PRODUCTS™

PO Box 230, Mainland, PA 19451
800-659-6745



MSDS OHP 988425 / 988430 02/05