

# **SAFETY DATA SHEET**

### 1. Identification

number

Product identifier SuffOil-X

Other means of identification

Product registration

EP

EPA Registration No.: 48813-1-68539

Recommended use

Agriculture / Horticulture - Spray Oil Fungicide, Insecticide & Miticide

Recommended restrictions

Manufacturer/Importer/Supplier/Distributor information

**Distributor** BioWorks, Inc.

**Address** 

100 Rawson Rd., Suite 205

Victor, NY 14564

1-800-424-9300

Telephone 1-585-924-4362
Website www.bioworksinc.com
Email regulatory@bioworksinc.com
Contact Regulatory Department

Emergency CHEMTREC (24 hours):

US, Canada, Puerto

Rico

Virgin Islands 1-800-424-9300 International +1 (703) 527-3887

**Maritime** 

### 2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Acute toxicity, inhalation Category 4

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.
Signal word None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement** 

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information Not applicable.

# 3. Composition/information on ingredients

### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
Petroleum Oil, Paraffinic		64742-55-8	80
Other components below reportab		20	

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Material name: SuffOil-X SDS US

### 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Rinse with water. Get medical attention if irritation develops and persists. Eve contact

Rinse mouth. Get medical attention if symptoms occur. Ingestion **Most important** Direct contact with eyes may cause temporary irritation.

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

treatment needed

Treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves.

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting

equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Move container from fire area if it can be done without risk.

General fire hazards

No unusual fire or explosion hazards noted.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up Keep out of low areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

This product is miscible in water. Stop the flow of material, if this is without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so.

### 7. Handling and storage

Precautions for safe handling

Avoid prolonged exposure. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

#### 8. Exposure controls/personal protection

### Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Туре	Value	Form
Petroleum Oil, Paraffinic (CAS 64742-55-8)	PEL	5 mg/m3	Mist.
US. ACGIH Threshold Limit Value	es		
Components	Type	Value	Form
Petroleum Oil, Paraffinic (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.

Material name: SuffOil-X SDS US **US. NIOSH: Pocket Guide to Chemical Hazards** 

Value Components Type Petroleum Oil, Paraffinic STEL 10 mg/m3 Mist. (CAS 64742-55-8)

> **TWA** 5 mg/m3 Mist.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Form** 

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical goggles are recommended. Wear safety glasses with side shields (or goggles).

Skin protection

Wear protective gloves. **Hand protection** 

Wear appropriate chemical resistant clothing. Other

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

**Appearance** Viscous. Physical state Liquid. Liquid. **Form** Color White Odor Ammonia Not available. Odor threshold Not available. Ha

Salt-Out / Crystallization Temp Not available. Melting point/freezing point Not available.

680 °F (360 °C) estimated Initial boiling point and boiling

range

> 212.0 °F (> 100.0 °C) Flash point

**Evaporation rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

Not available.

Explosive limit - lower (%) Not available. Not available. Explosive limit - upper (%)

0.00001 hPa estimated Vapor pressure

Vapor density Not available.

Relative density 0.821 - 0.86 g/cm3

Solubility(ies)

Solubility (water) Dispersable Not available. Partition coefficient

(n-octanol/water)

**Auto-ignition temperature** 500 °F (260 °C) estimated

**Decomposition temperature** Not available.

**Viscosity** 12793.94 cP @ 20 degrees C

Material name: SuffOil-X SDS US 7024.91 cP @ 40 degrees C

Other information

Flammability class Combustible IIIB estimated

Percent volatile 20 % estimated pH in aqueous solution 7 - 9 (1% dilution)

Pounds per gallon 6.85 - 7.17 lb/gal Typical

Specific gravity 0.82 - 0.86

### 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid temperatures exceeding the flash point.

**Incompatible materials** Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products are known.

### 11. Toxicological information

### Information on likely routes of exposure

**Ingestion** Based on available data, the classification criteria are not met.

**Inhalation** Prolonged inhalation may be harmful. Due to lack of data the classification is not possible.

Skin contact

Due to lack of data the classification is not possible.

Due to lack of data the classification is not possible.

Due to lack of data the classification is not possible.

Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

#### Information on toxicological effects

# Acute toxicity

irritation

Product	Species	Test Results	
SuffOil-X (CAS Mixture)			
Acute			
Dermal			
LC50	Rat	> 2000 mg/kg	
Inhalation			
LC50	Rat	> 2.06 mg/l, 4 hours No mortality	
Oral			
LD50	Rat	> 5000 mg/kg	

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation

Due to lack of data the classification is not possible.

Serious eye damage/eye

Due to lack of data the classification is not possible.

Respiratory or skin sensitization

**Respiratory sensitization**Due to lack of data the classification is not possible. **Skin sensitization**Due to lack of data the classification is not possible.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

**Carcinogenicity** Due to lack of data the classification is not possible.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### US. National Toxicology Program (NTP) Report on Carcinogens

Petroleum Oil, Paraffinic (CAS 64742-55-8)

Known To Be Human Carcinogen.

Material name: SuffOil-X SDS US

**Reproductive toxicity**Due to lack of data the classification is not possible.

Specific target organ toxicity -

single exposure

Due to lack of data the classification is not possible.

Specific target organ toxicity -

repeated exposure

Due to lack of data the classification is not possible.

**Aspiration hazard** Due to lack of data the classification is not possible.

**Chronic effects** Prolonged inhalation may be harmful.

**Further information** This product has no known adverse effect on human health.

### 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability 
No data is available on the degradability of this product.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

# 14. Transport information

DOT

Not regulated as dangerous goods.

**IATA** 

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

### 15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous No

chemical

Material name: SuffOil-X SDS US

### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

(SDWA)

Not regulated.

FIFRA Information EPA Registration Number: 48813-1

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on

the pesticide label:

Hazard statement CAUTION

Harmful if absorbed through skin.

Avoid contact with eves, skin, or clothing.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### US state regulations

#### US. Massachusetts RTK - Substance List

Petroleum Oil, Paraffinic (CAS 64742-55-8)

### US. New Jersey Worker and Community Right-to-Know Act

Not listed

### US. Pennsylvania Worker and Community Right-to-Know Law

Petroleum Oil, Paraffinic (CAS 64742-55-8)

#### **US. Rhode Island RTK**

Not regulated.

### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Toxic Substances Control Act (TSCA) Inventory

### 16. Other information, including date of preparation or last revision

 Issue date
 07-07-2015

 Revision date
 07-08-2015

Version # 10

United States & Puerto Rico

Material name: SuffOil-X SDS US

Yes

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### **Disclaimer**

While the information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or information set forth, or that the products, or information may be used without infringing the intellectual property rights of others. In no case shall the information provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the information furnished by our company hereunder are given gratis and we assume no obligation or liability for the information given or results obtained, all such being given and accepted at your risk.

**Revision Information** 

Product and Company Identification: Product Registration Numbers

Toxicological Information: Toxicological Data

Material name: SuffOil-X SDS US

282 Version #: 10 Revision date: 07-08-2015 Issue date: 07-07-2015