

## Safety Data Sheet

Revision date: 20-December-2016

replaces all previous editions

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### FUMITE OPP

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#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY OR UNDERTAKING

##### Identification of the substance or preparation

1.1. Tradename: FUMITE OPP

1.2. Formulation type: Smoke Generator

##### 1.3. Company identification

Company Octavius Hunt Ltd  
Redfield, BRISTOL, BS5 9NQ, UK  
Phone +44 (0) 117 955 5305  
Fax +44 (0) 117 955 7875  
Website [www.octaviushunt.co.uk](http://www.octaviushunt.co.uk)

1.4. Emergency Phone + 44 (0) 7720 051020 (24h)

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#### 2. HAZARDS IDENTIFICATION

##### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Acute toxicity: Category 4  
H302 Harmful if swallowed.

Skin sensitisation: Category 1  
H317 May cause an allergic skin reaction.

Eye irritation: Category 2  
H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure: Category 3

H335 May cause respiratory irritation.

Acute aquatic toxicity: Category 1

H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1

H410 Very toxic to aquatic life with long lasting effects.

### **Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Xn Harmful, R22

Xi Irritant, R36/37

Xi Irritant, R43

N Dangerous for the environment, R50/53

## **2.2 Label elements**

**Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Hazard label for supply/use required.

**Hazardous components which must be listed on the label:**

- 2-phenylphenol
- Potassium chlorate



**Signal word:** Warning

### **Hazard statements**

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

### **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.

P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste.

## 2.3 Other hazards

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours). Ignites readily. Product burns without a flame to give a dense white harmful smoke.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances:

N.A.

### 3.2. Mixture

Hazardous Components

CAS No.	Hazardous ingredients	Class 67/548/EC	Conc.	Class (EC) No 1272/2008 [CLP]
90-43-7	2-phenylphenol	Xi, R36/37/38 N, R50	20.0% w/w	Signal word Warning Hazard statement(s) H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation H400 Very toxic to aquatic life.
3811-04-9	Potassium chlorate	O, R9, Xn, R20/22, N, N, R50-53	10 -20% w/w	Signal word Danger Hazard statement(s) H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.

Information to exposure limit values - see section 8.

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## 4. FIRST AID MEASURES

**General advice:** Remove contaminated, soaked clothing immediately and dispose of safely.

### 4.1. First Aid Measures

**General Advice:** Show this safety data sheet to the doctor in attendance

**Eye contact:** Immediately irrigate with clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

**Skin contact:** Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to

minimise contact with skin. Contaminated clothing should be laundered before re-issue. Apply Vitamin E cream or simple toilet milks. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation:** Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

**Ingestion:** If swallowed wash out mouth with water, seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

#### 4.2. Symptoms and effects

##### Medical advice

To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated

#### 4.3. Immediate Medical Attention

No data available

### 5. FIRE FIGHTING MEASURES

Highly flammable. Ignites readily. Oxidising agent; may assist combustion.

Keep fire exposed containers cool by spraying with water.

**5.1. Extinguishing media:** For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

**5.2. Special Hazards:** Toxic and irritant fumes can be produced during combustion

**5.3. Protective Equipment:** A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

### 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions:** Ensure suitable personal protection during removal of spillages. This means wearing a facemask that gives protection against toxic dusts, eye protection, chemically resistant gloves (e.g. 0.6 mm nitrile), boots and coveralls. See also Section 8.

**6.2. Clean up methods:** Cover spillage with moist sand or soil. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

**6.3. Environmental precautions:** Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

## 7. HANDLING AND STORAGE

### 7.1. Handling

Read the label before use.

Do not breathe smoke. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

### 7.2. Storage

Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from frost.

**Storage Life:** Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

### 7.3. End Use

Disinfectant Smoke Generator

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Exposure Controls

Occupational exposure limits; Hazardous ingredients; Not applicable to field use  
2-Phenylphenol MANUFACTURERS Standard, 8 hr TWA, 2 mg/m<sup>3</sup>. Not applicable to field use.

### 8.2. Personal Protection

When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:

Respiratory protection: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Respiratory protective equipment should conform to the appropriate EN standard.

Eye protection: Wear suitable eye/face protection conforming to EN 166.

Hand protection: Wear suitable gloves conforming to EN 374.

Body protection: Wear suitable protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Colour:</b>	Off-white.
<b>Physical State:</b>	Powder in fibreboard container.
<b>Odour:</b>	Phenolic
<b>Melting Point:</b>	Not applicable.
<b>Boiling point:</b>	Not applicable.
<b>Flash-Point:</b>	Does not flash.
<b>Autoignition temperature</b>	Not available.
<b>Minimum Ignition temp.</b>	>130 °C
<b>Minimum Ignition:</b>	Not available
<b>Oxidizing properties:</b>	Oxidising agent; may assist combustion.
<b>Energy Explosive properties</b>	Not applicable
<b>Vapour pressure:</b>	Not available.
<b>Solubility:</b>	Partly soluble in/with water.
<b>pH-value (quant.):</b>	Not available.
<b>Partition coeff. (n-octanol/water):</b>	Log Pow: 5.95
<b>Density:</b>	Not available.

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Reacts violently with reducing agents producing toxic and explosive gases

**10.2 Chemical stability :** Stable at normal conditions

**10.3 Possibility of hazardous reaction :** Reacts violently with reducing agents producing toxic and explosive gases

**10.4 Condition to avoid :** Heat and ignition sources

**10.5 Incompatible materials :** The product is incompatible with strong reducing agents and acids

**10.6 Hazardous decomposition products :** Combustion or thermal decomposition will evolve harmful and irritant vapours.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - rat - 2,000 mg/kg

LD50 Oral - mouse - 1,050 mg/kg

LD50 Oral - cat - 500 mg/kg

LD50 Intraperitoneal - mouse - 50 mg/kg

#### Skin corrosion/irritation

Skin - rabbit - Skin irritation

#### Serious eye damage/eye irritation

Eyes - rabbit - Severe eye irritation

#### Respiratory or skin sensitization

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Biphenyl -2-ol)

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

May cause respiratory irritation.

#### Specific target organ toxicity - repeated exposure

no data available

#### Aspiration hazard

no data available

#### Potential health effects

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.

**Ingestion** Harmful if swallowed.

**Skin** May be harmful if absorbed through skin. Causes skin irritation.

**Eyes** Causes eye burns.

#### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**  
no data available
- 12.2 Persistence and degradability**  
no data available
- 12.3 Bioaccumulative potential**  
no data available
- 12.4 Mobility in soil**  
no data available
- 12.5 Results of PBT and vPvB assessment**  
no data available
- 12.6 Other adverse effects**  
Very toxic to aquatic life.  
no data available

## 13. DISPOSAL CONSIDERATIONS

**13.1. Product:** In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Can be land filled or incinerated, when in compliance with local regulations.

Advice may be obtained from local waste regulation authority (part of the Environment Agency in the UK)

**13.2. Contaminated Packaging:** packaging that cannot be cleaned should be disposed of as product waste.

Empty containers can be land filled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

## 14. TRANSPORT INFORMATION

<b>Rail / Road (RID / ADR)</b>	Class	UN Number	Packaging Group	Kemmler Index	
Proper Shipping Name	9	3077	III	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (2-PHENYLPHENOL MIXTURE).	
<b>Sea (IMDG-Code)</b>	Class	UN Number	Packaging Group	EMS	MFAG
Proper Shipping Name	9	3077	III	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains 2-Phenylphenol 20.0%)	
Marine pollutant	Yes				
<b>Air (ICAO / IATA)</b>	Class	UN Number	Packaging Group		
Proper Shipping Name	9	3077	III	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains 2-Phenylphenol 20.0%)	

## **15. REGULATORY INFORMATION**

### **15.1 Relevant Legislation**

Dangerous Substances Directive 67/548/EEC  
Dangerous Preparations Directive 1999/45/EC  
REACH Directive 1907/2006/EC  
CLP-Regulation 1272/2008/EC  
790/2009/EC  
Directive 453/2010/EC amending REACH Directive 1907/2006/EC  
Chemical Agents Directive Directive 98/24/EC

### **15.2 Chemical safety assessment**

N.A.

## **16. OTHER INFORMATIONS**

Complete text of R phrases

R phrases:

R36/37/38                      Irritating to eyes, respiratory system and skin

R50                                Very toxic to aquatic organisms

This information is based on our present state of knowledge and according to the last labeling regulation. Do not use the mixture in way different to the one described in the 1 section, without previous written authorization.