



now fire has  
met its match!

## Health and Safety Data Sheet – Flamecheck

### 1. Identification/ Product Name

*Product name:* Flamecheck

*CAS No:* Not applicable to mixture

*Intended use:* Flame-retardant spray for natural and synthetic materials

*Supplier:* Flamecheck, Denton Drive, Marston Moreteyne, Bedfordshire, MK43 0NA

*Emergency Telephone:* 07790 712839

### 2. Composition/Information on Ingredients

<i>Hazardous Ingredient</i>	<i>W/W%</i>	<i>CAS No</i>	<i>Health Class</i>	<i>Risk</i>
Potassium Salt of Ary Ether Phosphate Ester	1-5		Irritant	R36/38
Oleyl Hydroxyethyl Imidazole	1	95-38-5	Irritant	R36/38
Non-ionic Surfactant	1	68439-45-2	Harmful	R22
Pine Oil	1	138-86-3	Flammable	R10
Sulphuric Acid	1	7664-93-9	Corrosive	R35
Colour	None			
Appearance	Clear Liquid			
Odour	Faint Pine			
Solubility	Miscible with water all proportions			
Ph (@ 20° C)	6			
Specific Gravity	1.1			
Melting Point	0° C			
Boiling Point	100° C			
Flash Point	Not Combustible			
Auto Ignition	N/A			

### **3. Hazards Identification**

Product not classified as hazardous according to EEC regulations.

When liquid, avoid skin and eye contact.

When dry, product does not constitute any risk or hazard.

### **4. First Aid Measures**

**General:** In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and seek medical attention.

**Eyes:** Contact lenses should be removed. Flush with copious volume of water for 15 minutes, holding eyelids apart. Seek medical attention.

**Skin:** Wash off with plenty of water. Seek medical attention if any symptoms persist.

**Inhalation:** Remove to fresh air. Keep calm and warm. If breathing has stopped give artificial respiration and seek medical attention.

**Ingestion:** Wash mouth out with water and give milk or water to drink (unless unconscious). Seek medical attention.

### **5. Fire Fighting Procedures**

**Extinguishing Media:** Product is not combustible. Use media appropriate to material on fire.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. In a large fire, water may boil off leaving a residue, which, if exposed to high temperatures, may decompose with possible resultant production of Ammonia, Oxides of Nitrogen, Oxides of Phosphorus, Carbon Dioxide, and possibly Carbon Monoxide. Fumes of Sulphuric Acid may be evaporated off from the product. Keep containers cool by water spray.

### **6. Accidental Release Measures**

**Spill Clean-Up Procedures:** Always wear personal protective equipment (see section 8). For small spills either absorb with absorbent material and transfer to sealed container for approved disposal or flush away using large volumes of water. For large spills, dam off spillage and pump/transfer to containers. Any residue should be treated as per small spillage. Observe all national/local regulations when disposing of.

## 7. Handling and Storage

*Usage Precautions:* Apply adequate factory hygiene principles when using this product. Wear appropriate personal protective equipment. Avoid eye and skin contact.

*Storage Precautions:* Store in original sealed containers in a cool dry area.

*Storage Temperature:* +1° C to +30° C

*Self-Life:* Indefinite

## 8. Exposure Controls and Personal Protection

Hazardous Ingredient	CAS No EINECS	Exposure Limit
Potassium Salt of Aryl Ether Phosphate Ester		No limit Established
Oleyl Hydroxyethyl Imidazoline	95-38-5 202-414-9	No limit Established
Pine Oil	138-86-3 205-341-0	No limit Established
Sulphuric Acid	7664-93-9 231-639-5	OES 1.0mg/M <sup>3</sup> 8 hr TWA

*Comments:* Working procedures should be designed to minimise worker exposure to product. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Take measures to minimise inhalation when spraying.

*Protective Gloves:* Wear impervious gloves.

*Eye Protection:* Wear safety goggles/face visor.

*Other protection:* If splashes likely, wear protective boots and clothing. If to be sprayed, recommend use of adequate face mask with respiratory protection.

## 9. Stability and Reactivity

*Stability:* Stable under normal conditions.

*Materials to avoid:* Strong acids and bases and oxidising agents as product is mildly acidic will corrode some metals on prolonged contact.

## 10. Toxicological Information

Potassium Salt of Aryl Ether Phosphate Ester	LD <sub>50</sub> 2000mg/Kg oral rat
Olely Hydroxyethyl Imidazoline	LD <sub>50</sub> Expected to be 2000mg/Kg
Non-ionic Surfactant	Harmful if swallowed
Pine Oil	LD <sub>50</sub> 2000mg/Kg oral rat
Sulphuric Acid	LD <sub>50</sub> 2140mg/Kg oral rat

Medical symptoms: Contact with skin unlikely to have any effects. Washing off with water should suffice. Prolonged or repeated contact may produce some irritation and dermatitis. Eye contact may produce some minor irritation but damage unlikely if washed out immediately. If allowed to remain in eye however some irritation and/or burns may occur. Inhalations of small amounts are unlikely to have any effects, but mild irritation of respiratory tract may occur. However, if large quantities are inhaled the product may cause respiratory irritation and act as a sedative. It may affect the central nervous system. Symptoms of acute poisoning including decreased motor activity, breathing difficulties, muscular in-coordination, drowsiness, irritability, vertigo, confusion, hallucination and coma may occur. Ingestion of very large quantities may result in internal irritation, vomiting and abdominal cramps in addition to effects similar to those which are caused by inhalation of large doses.

## 11. Ecological Information

*Mobility:* Product totally miscible with water. There is no data available on the product, however it is unlikely to be harmful to aquatic life. Likely to be biodegradable.

## 12. Disposal Considerations

*Disposal Methods:* Via an approved waste disposal contractor to an approved waste disposal site. Observe all national/local regulations.

## 13. Transport Information

*Road, air or sea:* Product is not classified as hazardous for transportation purposes according to EEC regulations.

## 14. Regulatory Information

*Label Supply:* Product is not classified as hazardous for labelling purposes according to EEC regulations.

*Risk Phrases:* None

*Safety Phrases:*  
(Suggested)

S2	<i>Keep out of reach of children</i>
S24/25	<i>Avoid contact with skin and eyes</i>
S26	<i>In case of contact rinse immediately with plenty of water and seek medical attention</i>
S37	<i>Wear suitable gloves</i>

## 15. Other Information

The information contained in this safety data sheet does not constitute the users own assessment of the workplace risks as required by other health and safety legislation.

This information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process. Such information is to the best of the company's knowledge and belief accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability of completeness. It is the responsibility of the user to satisfy themselves as to the suitability of such information for their own particular use.