

# HEALTH & 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 ONA

Emergency Telephone: 07790712839

## 2. Composition / Information on Ingredients

Hazardous Ingredient	W/W%	CAS No	Risk Health Class	
Potassium Salt of Aryl Ether Phosphate Ester	1-5		Irritant	R36/38
Oleyl Hydroxyethyl Imidazoline Nonionic Surfactant	1	95-38-5	Irritant	R36/38
	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 & 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 immediate 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 Phosphorous, 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 Cleanup 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

*Shelf Life:* Indefinite

## 8. Exposure Controls and Personal Protection

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

*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

Oleyl Hydroxyethyl Imidazoline LD<sub>50</sub> expected to be 2000mg/Kg

Nonionic Surfactant Harmful if swallowed LD<sub>50</sub> 2000mg/kg

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. Inhalation of small amounts unlikely to have any effects bar mild irritation of respiratory tract. 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 include decreased motor activity, breathing difficulties, muscular incoordination, drowsiness, irritability, vertigo, confusion, hallucination and coma. 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.

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## 13. Transport Information

*Road, Air or Sea:* Product is not classified as hazardous for transportation purposes according to EEC Regulations.

## 14. Regulatory Information

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

*Risk Phrases:* None

*Safety Phrases:* 32 'Keep out of reach of children'  
(Suggested) S24/25 'Avoid contact with skin and eyes'  
326 'In case of contact with, rinse immediately with plenty of  
water and seek medical attention'  
S37 'Wear suitable gloves'

## 15. Other Information

The information contained in this safety data sheet does not constitute the user's 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 any 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.

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