

**Eminox Ltd**  
**Revision Date:** 19/12/2001  
**Revision Number:** 0  
**Material:** Filter Soot Sample

**Material Safety Data Sheet**

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## 1 - Substance Identification

**Material/Trade Name** : Filter Soot Sample  
**Material type** : Soot  
**Company** : Eminox Ltd  
**Address** : North Warren Road  
Gainsborough  
Lincolnshire  
DN21 2TU  
**Telephone** : 01427 810088  
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## 2 - Composition

Substance	% Wt.	CAS No.	EC No.
Metal Analytes including Zinc (<0.8%), Iron (<0.2%) and other metals (<0.05% total)		n/e	n/e
Total Extractable Hydrocarbons	1.13%	n/e	n/e
Total Polyaromatic Hydrocarbons	<0.01%	n/e	n/e
Unclassified components (may include a proportion of carbon black)	Balance		

## 3 - Hazard Identification

Not classified as hazardous under the CHIP Regulations 1994 (As amended 96, 97, 98, 99, 99(2), 99(3), 2000)  
Will not be classified as hazardous under the forthcoming CHIP Regulations 2002  
Not Hazardous according to 88/379/EEC and subsequent amendments

## 4 - First-aid Measures

**Inhalation:** Remove to fresh air and rest  
If recovery is not rapid call for prompt medical attention  
**Eyes:** Irrigate with water for at least 15 minutes  
Take care not to wash chemical from one eye to another  
If irritation persists call a doctor  
**Skin:** Remove contaminated clothing  
Wash with soap/cleanser and rinse with plenty of water  
If irritation persists, obtain medical attention  
**Ingestion:** Do not induce vomiting  
Give plenty of water to drink  
Beware of aspiration if vomiting occurs  
Seek prompt medical attention if feeling unwell

## 5 - Fire-fighting Measures

**Suitable Extinguishers:** Alcohol resistant foam  
Dry powder  
Carbon dioxide  
Water spray/fog

## 5 - Fire-fighting Measures (Continued)

<b>Unsuitable Extinguishers:</b>	Direct water jets
<b>Hazardous Decomposition:</b>	Toxic fumes are produced in fire
<b>Special Procedures:</b>	Do not breathe decomposition products and fumes Use approved self-contained breathing apparatus Wear fire retardant clothing Large fires should only be dealt with by trained personnel

## 6 - Accidental Release Measures

<b>Exposure Controls:</b>	Ventilate area Do not allow spill to enter drains and watercourses
<b>Personal Protection:</b>	Wear suitable respiratory if dust is generated Wear heavy duty gloves Use eye protection such as goggles to BS EN 166 Chemical Grade if dusty
<b>Disposal Considerations:</b>	Damp down and sweep up avoiding dust generation (or use vacuum cleaner) Scoop up and place in sealable container to await transfer Dispose in accordance with local regulations

## 7 - Handling and Storage

<b>Handling:</b>	Avoid skin contact Avoid eye contact Avoid inhalation of dust Ensure adequate ventilation Use local extraction equipment where possible Wear suitable protective clothing (see section 8)
<b>Storage:</b>	Store in tightly closed labelled containers Store in a cool, dry, well ventilated area

## 8 - Exposure Controls

<b>Occupational Exposure Limit:</b>	3.5mg/m <sup>3</sup> (total dust) 7mg/m <sup>3</sup> 8hrTWA OES Carbon Black
	Wear heavy duty gloves Wear suitable overalls or apron and change if contaminated Wear suitable eye protection such as BS EN 166 if dust generated Use in well ventilated areas. Use mechanical ventilation if possible After contact with skin wash off immediately

## 9 - Physical & Chemical Properties

Appearance	: Fine Black Powder
Odour	: n/e
pH	: n/e
Boiling point/range	: n/e
Melting point/range	: n/e
Flash point	: n/e
Flammability	: NON-FLAMMABLE
Autoflammability	: n/e
Explosive properties	: n/e
Oxidising properties	: None
Vapour pressure	: n/e
Relative density	: n/e
Solubility	: n/e
Vapour Density	: n/e
Viscosity	: n/e
Evaporation rate (Bu Ac = 1)	: Non volatile (n/e = not established)

## 10 - Stability and Reactivity

Stable at normal temperatures  
Materials to avoid: oxidising agents  
Conditions to avoid: high temperature & direct sunlight  
No hazardous decomposition products when stored and handled correctly

## 11 - Toxicological Information

Routes of exposure: inhalation, skin absorption and ingestion  
Excessive inhalation may cause transient irritation  
Repeated skin contact may cause dermatitis  
Chronic effects from ingestion: Kidney and liver damage  
Contains traces of potentially carcinogenic material – prolonged & repeated uncontrolled exposure may raise the risk of developing cancer

## 12 - Ecological Information

Ecotoxicity:- No specific data available  
Persistence:- No specific data available  
Bioaccumulative potential:- No specific data available  
Mobility:- Not determined

## 13 -Disposal Considerations

Do not discharge into drains or watercourses  
Dispose of in accordance with local regulations

## 14 -Transport Information

Not classified as hazardous for transport

## 15 - Regulatory Information

### a) Risk & Safety

Not classified as hazardous under the CHIP Regulations 1994 (As amended 96, 97, 98, 99, 99(2), 99(3), 2000)

Will not be classified as hazardous under the forthcoming CHIP Regulations 2002

Not Hazardous according to 88/379/EEC and subsequent amendments

### b) Other Regulations

Health & Safety at Work etc. Act 1974

Control of Substances Hazardous to Health Regulations 1994

Environmental Protection Act 1990

Special Waste Regulations 1996

## 16 - Other Information

Although this material is not classified as hazardous according to the CHIP Regulations persons exposed to the filter soot are reminded that they will need to compile a COSHH assessment detailing control measures to be put in place to minimise workplace exposure to potentially hazardous components within the soot.