



**Thorlabs Product: LPCM1 – Laser Curtain Material  
(1.6 m x 1 m W x L)**

**Vendor Name: Fothergill Polycom Ltd**

**Vendor Product Name: Chlorosuphonated Polyethylene Rubber /  
Meta-Aramid Fabric Laminate**

# Safety Data Sheet

For Emergency Use Only: If the phone number on the safety sheet is not local to your area please use:

800-424-9300 or 1 703-741-5970 for North America. Outside the US please use:

[https://www.thorlabs.com/images/CHEMTREC\\_In\\_Country\\_Dial\\_numbers\\_distribution.pdf](https://www.thorlabs.com/images/CHEMTREC_In_Country_Dial_numbers_distribution.pdf)

You can also find a digital copy of SDS at  
[www.thorlabs.com/msds](http://www.thorlabs.com/msds)

**Product Name(s):** SUP3275

**Compilation Date:** 20/10/2017

**Revision Date:** 20/10/2017

**Revision No** 1

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product Name(s):** SUP3275

**Product Description:** Double Faced Chlorosulphonated Polyethylene (CSPE or Hypalon) coated Meta Aramid (Nomex) Fabric

### 1.2 Relevant identified uses of the substance or mixture and advises against

**Identified uses:** Industrial uses, Flexible Protective Curtains.

### 1.3 Details of the supplier of the safety data sheet

#### Address

FOTHERGILL POLYCOM LTD  
Victoria Mill  
Drury Lane  
Oldham  
OL9 7PH

#### Email

sales@fothergillpolycom.co.uk

### 1.4 Emergency Telephone Number

+44 (0)161 681 2206

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or the mixture

**Classification according to Regulation (EC) No 1272/2008:**

Not classified.

### 2.2 Label elements

Not applicable.

### 2.3 Other Hazards

#### Physical / Chemical Hazards:

WARNING: May form combustible dust concentrations in air (during processing/handling).

#### Health Hazards:

If dust is generated, it could scratch the eyes and cause minor irritation to the respiratory tract. When heated, the vapour/fumes given off may cause respiratory tract irritation. Toxic combustion products may be released under fire conditions.

#### Environmental Hazards:

No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex III.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Woven Meta Aramid Fabric

Compounded Chlorosulphonated Polyethylene (CSPE or Hypalon)






#### 3.2 Mixtures

Fabric ~1-15% Meta Aramid

Coating ~70-95% Chlorosulphonated Polyethylene (CSPE)

#### Hazardous ingredients

In UnVulcanised compound (Not accessible once vulcanised - vulaniste is inert)

Chemical Name	Amount (wt %)	CAS #	CLP Classification
TMTD	0.6	137-26-8	   <p> H302 &amp; H332 Harmful if swallowed  H373 May Cause damage to organs through prolonged or repeated exposure  H319 Causes serious eye irritation.  H315 Causes skin irritation  H400 Very toxic to aquatic life  H410 Very toxic to aquatic life with long </p>
Reofos 95	10	68937-41-7	  <p> H361fd Suspected of damaging fertility, Suspected of damaging the unborn child.  H373 May Cause damage to organs through prolonged or repeated exposure  H411 Toxic to aquatic life with long </p>

**Note:** The Above pre-cursors are either chemically converted, bound or lost during processing and are therefore not present or available within the finished rubber-fabric laminate

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Skin:** No specific hazard - treat symptomatically

**Eyes:** No specific hazard - treat symptomatically

**Inhalation:** Inhalation of curing fumes. Remove to fresh air; treat symptomatically, In case of extreme exposure consult with a doctor.

**Other first aid information:** In all cases if irritation persists seek medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

None

#### 4.3 Indication of any immediate medical attention and special treatment needed

The need to have special means for providing specific and immediate medical treatment available in the workplace is not expected.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media:** Foam, Carbon Dioxide, Dry Powder, Water spray.

### 5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products:** Decomposition fumes containing variable quantities of toxic substances, mainly chlorine compounds, oxides of carbon and other hydrocarbons.

### 5.3 Advice for firefighters

**Special fire fighting procedures:** Avoid Inhalation. Wear self contained breathing apparatus, rubber boots and heavy rubber gloves, personnel without suitable respiratory protection equipment must leave the area to prevent significant exposure to decomposition gasses (See section 10)

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Not applicable.

### 6.2 Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Gloves should be worn when handling rubber compounds. Dust masks should be worn when handling compounds dusted with anti-tack.

### 7.2 Conditions for safe storage, including any incompatibilities

Store flat to avoid permanent set. Store in a cool well ventilated place away from direct sunlight, sources of ozone generation and sources of ignition.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Exposure controls for hazardous components:

Meta Aramid	MEL (Maximum Exposure Limit) 8hr TWA	5.0 mg/m <sup>3</sup>
Rubber Dust -	MEL (Maximum Exposure Limit) 8hr TWA	6.0 mg/m <sup>3</sup>
Rubber Fume -	MEL (Maximum Exposure Limit) 8hr TWA	0.6 mg/m <sup>3</sup>
Rubber fume has the potential to produce carcinogenic Nitrosamines and noxious substances		

### 8.2 Exposure controls

#### Engineering controls

Presence of dust-handling systems is recommended to minimize dust generation and accumulation.

#### Personal Protection

Personal protective equipment is recommended, in particular if material is hot, to avoid thermal burns and irritation from fumes.

**Respiratory:** Appropriate respiratory protection if necessary.

**Hand:** Sensitive individuals may need to wear gloves.

**Eye:** Sensitive individuals may need to wear goggles. Eye protection should be worn if the product is abraded, drilled, cut etc..

**Skin:** None under normal conditions, Good hygiene practices should be employed when handling rubber products with washing encouraged before meal breaks, toilet and at the end of the working shift.

#### Environmental controls

Protect the environment by applying appropriate control measures to prevent or limit emissions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Coated Woven Fabric

**Odour:** Weak Aromatic

**Colour:** Black

**Specific gravity:** Meta Aramid 1.38  
Coating 1.25

**Melting point/Melting range:** N/A

**Flashpoint:** N/A

**Boiling point/Boiling range:** N/A

**Auto ignition temp:** N/A

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

There are no known reactivity hazards associated with this product.

### 10.2 Chemical stability

Thermally stable at typical use temperatures.

### 10.3 Possibility of hazardous reactions

Polymerization will not occur.

### 10.4 Conditions to avoid

Thermal decomposition occurs above 140°C.

### 10.5 Incompatible materials

Strong oxidizers, Alkalis and Acids. also avoid Aliphatic, Aromatic and Chlorinated Hydrocarbons, Aldehydes and Ketones.

### 10.6 Hazardous decomposition products

On decomposition, formation of fumes of Hydrogen Chloride, Carbon Monoxide, Sulphur Dioxide and Hydrogen oxidation products including organic acids, aldehydes and alcohols.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Skin corrosion/irritation

Prolonged contact may cause slight skin irritation with local redness.

#### Serious eye damage/eye irritation

Fumes irritant to eyes.

#### Respiratory sensitisation

Fumes irritant to respiratory tract. Pre-existing respiratory and lung diseases may be aggravated.

#### Aspiration Hazard

May be harmful if swallowed and enters airways.

## 12. ECOLOGICAL INFORMATION

No known harmful effects on the environment.

## 13. WASTE DISPOSAL

Dispose as solid waste according to local regulations.

## 14. TRANSPORT INFORMATION

No special requirements.

## **15. REGULATORY INFORMATION**

No labelling is required for this material by the Chemicals (Hazard Information and Packaging or Supply) Regulations 2002 (CHIP3), in accordance with EC Directives.

## **16. OTHER INFORMATION**

This product data safety sheet was prepared in compliance with Commission Regulation (EU) 2015/830 of 28 May 2015 of the European Parliament and of the Council on Registration, Evaluation, Authorisation and restriction of Chemicals (REACH) as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations. This product safety sheet also complies with US OSHA regulations.

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Fothergill Polycom Limited shall not be held responsible for any defect in the product covered by this MSDS should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.