



# COSHH Risk Assessment

MD097

## SUBSTANCE INFORMATION

Substance/material: **Foam**

Trade name: **Silvani Polifilm K122 6% AFFF**

What is the substance used for? **Fire Extinguishing Agent**

(E.g. cleaning floors, protective coating, etc.)

What are the hazardous ingredients/chemicals in the substance? (List below)

**Butyldiglycol** CAS Number 112-34-5

**Monoethyleneglycol** CAS Number 107-21-1

**Fluroalkyl Surfactant**

**Synthetic Detergent**

Do any of the chemicals have a:

Workplace Exposure Limit? (State opposite)

**Monoethyleneglycol** 8 Hr TWA (Particulates) 10 mg/m3 , 8 Hr TWA (Vapours) 60 mg/m3, 15 Min STEL (Vapours) 125 mg/m3

Is the substance: (Check for an orange 'CHIP' square on the product data sheet or packaging.)

- Extremely flammable?     Oxidising?     Very toxic?     Sensitising?
- Highly flammable?     Harmful?     Corrosive?     Other? (Specify below.)
- Flammable?     Toxic?     Irritant?

Is the substance hazardous to health when:

- In contact with skin?     Breathed in?     Other (Specify below)
- In contact with eyes?     Swallowed?    **Not considered hazardous to health under CHIP 2 and CHIP 96 Regulations and EU Directive 88/379 EEC**

## USE OF SUBSTANCE

How should the substance be used? **Foam sprayed on to fire from Fire Extinguisher nozzle**

(E.g. diluted in water, applied with a brush, sprayed, etc.)

How much is used every week? (State quantity in litres or kilos as appropriate.) **Not known**

Who is exposed to the substance?

(E.g. those using it, pupils, service users, etc.) **Those using it.**

Does the substance present additional risks to certain groups or individuals?

(E.g. young people, expectant mothers.) **No**

## CONTROL MEASURES

Can a less hazardous substance be used to do the same job?    Yes     No

(If you don't know, please contact your supplier for further information.)

What controls are required for this substance, other than Personal Protective Equipment (PPE)?

(E.g. well ventilated areas, not in spray/mist form, mechanical ventilation, authorised persons only.)

Is any Personal Protective Equipment (PPE) required when using the substance?



Eye protection? (State type required)



Gloves? (State type required)



Overalls/clothing? (State type required)



Mask/respirator? (State type required)



Other? (State type required)

**How should the substance be stored?** (E.g. locked cupboard, away from other substances, etc.)

Although this material is not considered hazardous to health, like all chemicals, it should be treated with respect and in accordance with good industrial hygiene and safety procedures. In order to avoid the possibility of skin disorders, repeated and prolonged contact with products of this type must be avoided. It is essential to maintain a high standard of personal hygiene. Wash hands thoroughly after handling this product. Avoid contact with eyes. Do not breathe vapours or mists. Do not ingest.

**Please turn over**

**Have persons using this substance been provided with information or training on its use?** Yes   
(As a minimum ensure a copy of this assessment is in a known and readily accessible location.) No

**OTHER PRECAUTIONS AND EMERGENCY PROCEDURES**

**Spillages:** How should an accidental release/spillage of this substance be dealt with?

On Soil: absorb on to an inert material such as sand or earth and dispose in accordance with Controlled Waste Regulation. Clean up residue with water.

**First aid:** What actions should be taken if the substance is:

- |   |  |
|---|--|
| a) Swallowed? <b>DO NOT induce vomiting. Give 1 or 2 glasses of water or milk and seek medical advice.</b>  | b) In contact with eyes <b>Flush with water for at least 15 minutes, keeping eyelids open. Seek medical advice.</b>                    |
| c) In contact with skin? <b>Wash immediately with plenty of water. Removed any contaminated clothing and lauder before reuse. If irritation develops, seek medical attention.</b> | d) Inhaled? <b>Remove patient to fresh air, allow to rest and keep warm. If specific symptoms are evident, seek medical attention.</b> |
| e) Other? (Please specify.)   |  |

**Fire precautions:** What actions should be taken in the event of fires involving this substance?

No special measures required, as product is a fire extinguishing medium.

**Chemical reactions:** Is there any other substance that this substance must not come into contact with?

Oxides of carbon and traces of hydrogen fluoride evolved if concentrated product involved in fire. At use concentrations the levels of decomposition products are so low as to be not dangerous.

**Disposal:** How should the substance be disposed of (or not disposed of)?

According to the Controlled Waste Regulations. Incineration maybe possible, where authorised after mixing with combustible material. The combustion products will include hydrogen fluoride. Spent solutions of product and small quantities (less than 5 gallons or 20 litres) may, where authorised, be slowly discharged to wastewater treatment system. If foaming occurs reduce discharge rate. Alternatively, incineration may be used as above.

**Health surveillance:** Do staff using the substance require any health surveillance?

No

**ASSESSMENT OF RISK**

**Are all the controls detailed above currently in place?** Yes  No

**If these controls are not in place, or additional controls are required, state action to be taken.**

**Please note** - COSHH substances must **NOT** be used if adequate control measures are not in place.

Remedial actions required	Date for completion

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**Are hazards to health adequately controlled with all control measures in place?**      Yes     No

<b>Assessor(s) name:</b> Chris Ogden	<b>Assessor(s) signature:</b> Chris Ogden	<b>Date:</b> 01/01/17
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The Line Manager should sign below to show that the assessment is a correct and reasonable reflection of the hazards and of the control measures and actions required.

<b>Line Managers name:</b>	<b>Line Managers signature:</b>	<b>Date:</b>
<b>Remedial actions complete:</b> (Date)	<b>Line Managers signature:</b>	<b>Reviewed on:</b>

**A copy of the product safety data sheet must be attached to this assessment.**