



COSHH Risk Assessment

MD139

SUBSTANCE INFORMATION

Substance/material: [Smoke Sabre.](#)

Trade name: [Smokesabre-01](#)

What is the substance used for? [Smoke simulation.](#)

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

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

[Butane 50 – 100 % CAS No. 106-97-8 EC No. 203-448-7](#)

[Propane 10-25% CAS No. 74-98-6 EC No. 200-827-9](#)

[Ethanol 0-5% CAS No. 64-17-5 EC No. 200-578-6](#)

Do any of the chemicals have a:

Workplace Exposure Limit? (State opposite)

[Butane, \(8 hr TWA ppm\) 600 \(8 hr TWA mg/m³\) 1450, STEL \(ppm\) 750, STEL \(mg/m³\) 1810](#)

[Ethanol, \(8 hr TWA ppm\) 1000 \(8 hr TWA mg/m³\) 1920](#)

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

- | | | | |
|--|-------------------------------------|--------------------------------------|--|
| <input checked="" type="checkbox"/> Extremely flammable? | <input type="checkbox"/> Oxidising? | <input type="checkbox"/> Very toxic? | <input type="checkbox"/> Sensitising? |
| <input type="checkbox"/> Highly flammable? | <input type="checkbox"/> Harmful? | <input type="checkbox"/> Corrosive? | <input type="checkbox"/> Other? (Specify below.) |
| <input type="checkbox"/> Flammable? | <input type="checkbox"/> Toxic? | <input type="checkbox"/> Irritant? | |

Is the substance hazardous to health when:

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> In contact with skin? | <input type="checkbox"/> Breathed in? | <input type="checkbox"/> Other (Specify below) |
| <input type="checkbox"/> In contact with eyes? | <input type="checkbox"/> Swallowed? | |

USE OF SUBSTANCE

How should the substance be used? [Sprayed](#)

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

How much is used every week? [Occasional Use, small quantities](#)

(State quantity in litres or kilos as appropriate.)

Who is exposed to the substance? [Personnel using the product.](#)

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

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

(E.g. young people, expectant mothers.)

[Not specified on product Safety Data Sheet.](#)

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.)

[Provide adequate ventilation.](#)

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



- Eye protection? (If eye contact is likely wear protective goggles, face shield or safety glasses)



- Gloves? (Wear suitable gloves if prolonged skin contact is likely. Gloves: Nitrile rubber, NBR.)



- Overalls/clothing? (State type required)



- Mask/respirator? (No personal respiratory protective equipment normally required. Handling of larger amounts: In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate)



Other? (State type required)

Do not release large quantities into the surface water or into drains.

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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Provide adequate ventilation.

Do not eat, drink or smoke during work. Wash hands thoroughly after handling.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

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?

Ensure adequate ventilation. Wear suitable gloves and eye/face protection.

Do not allow to enter drains, sewers or watercourses

Do NOT landfill.

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty.

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

a) Swallowed?

b) In contact with eyes?

Flush eyes with water for at least 15 minutes while holding eyelids open.

c) In contact with skin?

Wash with plenty of soap and water.

d) Inhaled?

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

e) Other? (Please specify.)

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

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Heating may cause pressure rise with risk of bursting.

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions

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

Stable under normal conditions.

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

Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Disposal should be in accordance with local, state or national legislation.

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

Assessor(s) name: Chris Ogden	Assessor(s) signature: Chris Ogden	Date: 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.

Line Managers name:	Line Managers signature:	Date:
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Remedial actions complete: (Date)	Line Managers signature:	Reviewed on:
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A copy of the product safety data sheet must be attached to this assessment.