



COSHH Risk Assessment

MD108

SUBSTANCE INFORMATION

Substance/material: Gas

Trade name: Compressed Air

What is the substance used for?

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

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

Nitrogen CAS No. 7727-37-9

Oxygen CAS No. 7782-44-7

Do any of the chemicals have a:

Workplace Exposure Limit? (State opposite)

None.

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

- | | | | |
|---|-------------------------------------|---|--|
| <input type="checkbox"/> Extremely flammable? | <input type="checkbox"/> Oxidising? | <input checked="" type="checkbox"/> Very toxic? | <input type="checkbox"/> Sensitising? |
| <input type="checkbox"/> Highly flammable? | <input type="checkbox"/> Harmful? | <input type="checkbox"/> Corrosive? | <input checked="" type="checkbox"/> Other? (Contains gas under pressure; may explode if heated). |
| <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? | Adverse effects not expected from this product. |

USE OF SUBSTANCE

How should the substance be used? Additive to water based fire extinguishers

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

How much is used every week? Not known at this time

(State quantity in litres or kilos as appropriate.)

Who is exposed to the substance? Those using it

(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.) 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.)

Ensure adequate air ventilation

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



Eye protection? (Wear eye protection to EN 166 when using gases.)



Gloves? (Wear working gloves while handling containers. Guideline: EN 388 Protective gloves against mechanical risks.)



Overalls/clothing? (State type required)



Mask/respirator? (State type required)



Other? (Wear safety shoes while handling containers)

How should the substance be stored? Containers should not be stored in conditions likely to encourage corrosion. Stored containers should be periodically checked for general conditions and leakage. Container valve guards or caps should be in place. Store containers in location free from fire risk and away from sources of heat and ignition. Keep away from combustible material.

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?

Prevent further leakage or spillage if safe to do so.

Provide adequate ventilation.

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

a) Swallowed?

b) In contact with eyes?

c) In contact with skin?

d) Inhaled?

e) Other? (Please specify.)

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

Heat may cause the containers to explode.

Material will not burn. In case of fire in the surroundings: use appropriate extinguishing agent.

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

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

Vent to atmosphere in a well ventilated place.

Dispose of container via supplier only.

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

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: 01/01/19
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:
Remedial actions complete: (Date)	Line Managers signature:	Reviewed on:

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