1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

MSDS Nr
SIP1
Product name
Simple asphyxiating (inert) compressed gas in cylinder no.

Company identification
SIP Analytical Ltd
Goodwin Park
Sandwich Industrial Estate
Sandwich
Kent
United Kingdom
CT13 9LN

Emergency contact
44(0)1304 612522

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation
Preparation
Components/Impurities
Contains no other components or impurities which will influence the classification of the product.

EEC Nr (from EINECS)
Not applicable for preparations

3. HAZARDS IDENTIFICATION

Hazards identification
In high concentrations may cause asphyxiation.

4. FIRST AID MEASURES

Inhalation
In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped.

5. FIRE FIGHTING MEASURES

Specific hazards
Exposure to fire may cause containers to rupture/explode
Non flammable

Hazardous combustion products
None

Suitable extinguishing media
All known extinguishants can be used.

Specific methods
If possible, stop flow of product. Move container away or cool with water from a protected position.

Special protective equipment for fire fighters
In confined space use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Evacuate area. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Ensure adequate air ventilation

Environmental precautions
Try to stop release.

Clean up methods
Ventilate area.

7. HANDLING AND STORAGE

Handling and storage
Suck back of water into the container must be prevented. Do not allow backfeed into the container. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Refer to supplier's container handling instructions. Keep container away from direct heat in a well ventilated place. Do not store in open areas without protection.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection
Ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density, gas
Similar to air

Solubility mg/l water
Not known.

Appearance/Colour
Colourless gas

Odour
None

10. STABILITY AND REACTIVITY

Stability and reactivity
Stable under normal conditions.

11. TOXICOLOGICAL

General
No toxicological effects from this product.

12. ECOLOGICAL INFORMATION

General
No ecological damage caused by this product.

13. DISPOSAL CONSIDERATIONS

General
Do not discharge into any place where its accumulation could be dangerous. Contact supplier if guidance is required.
14. TRANSPORT INFORMATION

UN Nr
1956
ADR/RID Item Nr
12
Labelling ADR
Label 2: non flammable non toxic gas.
Other transport information
Avoid, transport on vehicles where the load space is not separated from the driver's compartment if possible.

15. REGULATORY INFORMATION

Number in Annex 1 of Dir 67/548
Not applicable for preparations
EC Classification
Proposed by the industry
Labelling of cylinders
Symbols
Label 2: non flammable non toxic gas
Risk phrases
RAs Asphyxiant in high concentrations.
Safety phrases
S9 Keep container in well ventilated place.
S23 Do not breathe the gas.

16. OTHER INFORMATION

The hazard of asphyxiation is often overlooked and must be stressed during operator training.
Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out.
Details given in this document are believed to be correct at the time of going to press. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.