



# SAFETY DATA SHEET

Page : 1

Revised edition no : 2

Date : 15/2/2006

Supersedes : 15/2/2006

**ATIMIX****AX001**

Label 2.2 : Non flammable, non toxic gas.

## 1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Trade name** : ATIMIX  
**MSDS No** : AX001  
**Company identification** : SIAD S.p.A.  
Stabilimento Produttivo di Osio Sopra  
S.S. 525 del Brembo, 1  
I-24040 Osio Sopra (BG) Italy  
Tel. : +39 035 328 111  
**Emergency phone nr** : Tel. : 118 / +39 035 328 111

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

**Substance / Preparation** : Preparation.  
**Components / Impurities** : ATIMIX : Not classified as dangerous product.

## 3 HAZARDS IDENTIFICATION

**Hazards identification** : In high concentrations may cause asphyxiation.  
Compressed gas.

## 4 FIRST AID MEASURES

**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.
- **Ingestion** : Ingestion is not considered a potential route of exposure.

## 5 FIRE-FIGHTING MEASURES

**Flammable class** : Non flammable.  
**Specific hazards** : Exposure to fire may cause containers to rupture/explode.  
**Hazardous combustion products** : None.  
**Extinguishing media**

- **Suitable extinguishing media** : All known extinguishants can be used.
- Specific methods** : If possible, stop flow of product.  
Move away from the container and cool with water from a protected position.
- Special protective equipment for fire** : In confined space use self-contained breathing apparatus.



# SAFETY DATA SHEET

Page : 2

Revised edition no : 2

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**ATIMIX****AX001**

## 5 FIRE-FIGHTING MEASURES (continued)

fighters

## 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Evacuate area.  
Ensure adequate air ventilation.  
Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe.
- Environmental precautions** : Try to stop release.  
Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.
- Clean up methods** : Ventilate area.

## 7 HANDLING AND STORAGE

- Storage** : Keep container below 50°C in a well ventilated place.
- Handling** : Open valve slowly to avoid pressure shock.  
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.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection** : Ensure adequate ventilation.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at 20 °C** : Compressed gas.
- Colour** : Colourless gas.
- Odo(u)r** : None.
- Relative density, gas (air=1)** : Heavier than air.
- Solubility in water [mg/l]** : Not known, but considered to have low solubility.
- Other data** : Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level.

## 10 STABILITY AND REACTIVITY

- Stability and reactivity** : Stable under normal conditions.

## 11 TOXICOLOGICAL INFORMATION

- Toxicity information** : No known toxicological effects from this product.



# SAFETY DATA SHEET

Page : 3

Revised edition no : 2

Date : 15/2/2006

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**ATIMIX****AX001**

## 12 ECOLOGICAL INFORMATION

- Ecological effects information** : No known ecological damage caused by this product.
- Environmental precautions** : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.
- Effect on ozone layer** : None.

## 13 DISPOSAL CONSIDERATIONS

- General** : Do not discharge into any place where its accumulation could be dangerous. Contact supplier if guidance is required.
- Disposal method** : Consult supplier for specific recommendations.

## 14 TRANSPORT INFORMATION

- UN No.** : 1981
- Proper shipping name** : RARE GASES AND NITROGEN MIXTURE, COMPRESSED
- Class** : 2
- Division** : 2.2
- Labelling** : Label 2.2 : Non flammable, non toxic gas.
- ADR/RID division** : 1 A
- ADR H.I. nr** : 20
- Code IMDG/EMS** : F-C,S-V
- ICAO/IATA regulations** : Transport concurred on fleeting airplane and cargo
- Other transport information** : Before transporting product containers :
- Ensure that containers are firmly secured.
  - Ensure cylinder valve is closed and not leaking.
  - Ensure valve outlet cap nut or plug (where provided) is correctly fitted.
  - Ensure valve protection device (where provided) is correctly fitted.
  - Ensure there is adequate ventilation.
  - Compliance with applicable regulations.

## 15 REGULATORY INFORMATION

- EC Labelling** : Not classified as dangerous preparation/substance.
- Symbol(s)** : None.
- R Phrase(s)** : None.
- S Phrase(s)** : None.

## 16 OTHER INFORMATION

Asphyxiant in high concentrations.  
Keep container in a well-ventilated place.  
Do not breathe the gas.  
The hazard of asphyxiation is often overlooked and must be stressed during operator training.  
Receptacle under pressure.  
Ensure all national/local regulations are observed.  
This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all

	<b>SAFETY DATA SHEET</b>	Page : 4
		Revised edition no : 2
		Date : 15/2/2006
		Supersedes : 15/2/2006
<b>ATIMIX</b>		<b>AX001</b>

**16 OTHER INFORMATION (continued)**

countries that have translated the Directives in their national laws.

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.

**End of document**