

XENON

0609

November 2007

CAS No: 7440-63-3

RTECS No: ZE1280000

UN No: 2036

(cylinder)

Xe

Atomic mass: 131.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible. Heating will cause rise in pressure with risk of bursting.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			In case of fire: keep cylinder cool by spraying with water.
EXPOSURE			
Inhalation	Dizziness. Dullness. Headache. Suffocation.	Ventilation.	Fresh air, rest. Artificial respiration may be needed. Seek medical attention if you feel unwell
Skin	ON CONTACT WITH LIQUID: FROSBITE.	Cold-insulating gloves. Protective clothing.	ON FROSTBITE: rinse with plenty of water, do NOT remove clothes. Refer for medical attention.
Eyes	ON CONTACT WITH LIQUID: FROSBITE.	Safety goggles or face shield.	Rinse with plenty of water (remove contact lenses if easily possible). Refer immediately for medical attention.
Ingestion			

SPILLAGE DISPOSAL

Personal protection: self-contained breathing apparatus. Ventilation.

PACKAGING & LABELLING

UN classification
UN Hazard Class: 2.2
GHS classification
Signal: Warning
Cylinder
Contains gas under pressure; may explode if heated

EMERGENCY RESPONSE

Transport Emergency Card: TEC (R)-20G2A

SAFE STORAGE

Fireproof if in building. Keep in a well-ventilated room.

IPCS

International Programme on Chemical Safety

Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission ©
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IMPORTANT DATA**Physical State; Appearance**

COLOURLESS, ODOURLESS, COMPRESSED LIQUEFIED GAS.

Physical dangers

The gas is heavier than air and may accumulate in lowered spaces causing a deficiency of oxygen.

Occupational exposure limitsTLV not established.
MAK not established.**Inhalation risk**

On loss of containment this gas can cause suffocation by lowering the oxygen content of the air in confined areas.

Effects of short-term exposure

Suffocation. The liquid may cause frostbite.

PHYSICAL PROPERTIES

Boiling point: -108.1/C

Melting point: -111.8/C

Solubility in water, g/100 ml at 20/C: 0.6 (very poor)

Relative vapour density (air = 1): 4.5

Octanol/water partition coefficient as log Pow: 1.4

ENVIRONMENTAL DATA**NOTES**

High concentrations in the air cause a deficiency of oxygen with the risk of unconsciousness or death.

Check oxygen content before entering area.

Turn leaking cylinder with the leak up to prevent escape of gas in liquid state.

Other UN number 2591, Xenon, refrigerated liquid, hazard class 2.2.

ADDITIONAL INFORMATION**LEGAL NOTICE**

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