
9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquified Gas
COLOR: Colorless
ODOR: None or Mercaptan
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C (F): > -89 (-128)
MELTING POINT C (F): > -187 (-305)
FLASH POINT C (F): < -40 (-40) (ASTM D-93)
FLAMMABILITY: NE
AUTO FLAMMABILITY: NE
OXIDIZING PROPERTIES: NE
VAPOR PRESSURE -mmHg 20 C: > 1000.0
VAPOR DENSITY: 1.6
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.5 - 0.6
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: NE
VISCOSITY AT 40 C, cSt: NA
VISCOSITY AT 100 C, cSt: NA
POUR POINT C (F): NA
FREEZING POINT C (F): NE
VOLATILE ORGANIC COMPOUND: NE

NA = NOT APPLICABLE NE = NOT ESTABLISHED D = DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Heat, sparks, flame and build up of static electricity.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Not applicable
DERMAL TOXICITY (RABBITS): Not applicable
INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/1). ---Based on testing of similar products and/or the components.
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: 0 or greater but 6 or less) ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: 0.5 or less). ---Based on testing of similar products and/or the components.
OTHER ACUTE TOXICITY DATA: This product is an asphyxiant. Simple asphyxiants act by displacing oxygen in the lungs thereby diminishing the supply of oxygen available to the blood and tissues. Continued lack of oxygen may result in convulsions, loss of consciousness and death. Since exercise increases the tissue need for oxygen, symptoms will occur more quickly during exertion in an oxygen-deficient environment. Oxygen in enclosed spaces should be maintained at 21% by volume. In addition, exposure to this product may cause a general central nervous system (CNS) depression typical of anesthetic gases or intoxicants.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION:

Disposal of unused product may be subject to RCRA regulations (40 CFR 261) due to the characteristic(s) / chemical(s) listed below. Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity, or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

FLASH: < -40 (-40) C(F)