



## **Extender - Material Data Safety Sheet**

Product Name: Extender

Composition: Confidential

### **Hazardous Ingredients**

Confidential - ORAL (LD50): Acute: 980mg/kg [Rat]. 640mg/kg [Mouse]. 500 mg/kg [Rabbit].  
DERMAL (LD50): Acute: 800 mg/kg [Rabbit].

### **Hazard Identification**

Potential Acute Health Effects - Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer, permeator).

Potential Chronic Health Effects - Slightly hazardous in case of skin contact (sensitizer).

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC

EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/ female, Development toxin [POSSIBLE].

The substance may be toxic to kidneys, liver, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

### **First Aid Measures**

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Eye contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

Skin contact:

Wash with soap and water. Cover any irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

## **Fire-Fighting Measures**

Extinguishing Media:

Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Note: Ignites on contact with dioxygenyl tetrafluoroborate, chromium trioxide, and potassium tert-butoxide. When heated to decomposition it emits acrid smoke and fumes.

CAUTION: MAY BURN WITH NEAR INVISIBLE FLAME

Thermal Decomposition:

Boiling Point - 82.5°C (180.5°F)

Critical Temperature - 235°C (455°F)

Vapor Pressure - 4.4 kPa (@ 20°C)

Vapor Density - 2.07 (Air = 1)

Auto-Ignition Temperature - 399°C (750.2°F)

Flash Points - CLOSED CUP - 11.667°C (53°F) - 12.778 deg. C (55 deg. F) (TAG) Flammable Limits - LOWER: 2% UPPER - 12.7%

Products of Combustion - When heated to decomposition it emits acrid smoke and fumes. These products are carbon oxides (CO, CO<sub>2</sub>).

## **Accidental Release Measures**

Small Spill - Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill - Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do

not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

## **Handling and Storage**

Precautions - Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage - Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

## **Exposure Controls / Personal Protection**

Engineering Controls - Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection - Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill - Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 983 STEL: 1230 (mg/m<sup>3</sup>) [Australia] TWA: 200 STEL: 400 (ppm) from ACGIH (TLV) [United States] [1999] TWA: 980 STEL: 1225 (mg/m<sup>3</sup>) from NIOSH TWA: 400 STEL: 500 (ppm) from NIOSH TWA: 400 STEL: 500 (ppm) [United Kingdom (UK)] TWA: 999 STEL: 1259 (mg/m<sup>3</sup>) [United Kingdom (UK)] TWA: 400 STEL: 500 (ppm) from OSHA (PEL) [United States] TWA: 980 STEL: 1225 (mg/m<sup>3</sup>) from OSHA (PEL) [United States]

## **Contact**

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