

# MATERIAL SAFETY DATA SHEET

**Product name: DEXTROMETHORPHAN HBr**

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

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Novachem (WuHan) I&E Co., Ltd  
Tel: 86-27-82642268  
Fax: 86-27-82642258  
Email: grace.novachem@gmail.com

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Date: August 2010  
Synonyms: 3-Methoxy-17-methyl-(9alpha, 13 alpha, 14 alpha)-morphinan hydrobromide, monohydrate  
CAS #: 6700-34-1  
Hazard Class: Not Regulated

## SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

100% Dextromethorphan HBr

## SECTION 3 – HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** A white powder that presents little or no health hazard and no unusual hazard if involved in a fire.

### **POTENTIAL HEALTH EFFECTS:**

**Skin:** May cause skin irritation.

**Eyes:** May cause irritation or burning.

**Inhalation:** May cause irritation to the

**Ingestion:** Not a hazard with normal industrial usage.

**CARCINOGENICITY:** Not Identifiable

## SECTION 4 – FIRST AID MEASURES

**Skin:** Immediately wash skin with soap and water for at least 15 minutes.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

**Inhalation:** Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Wash out mouth with water.

**On All Of The Above:** Consult a physician if symptoms persist.

## SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point:** Non Combustible

**Flammable Limits:** Non Combustible

**Extinguishing Media:** Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures:

Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turn-out gear.

Unusual Fire Explosion Hazard: During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion.

Auto Ignition Temperature: Not Applicable

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

#### SECTION 7 – HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

#### SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin and eyes from dust.

#### WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable Vapor Pressure (MM Hg): Not Applicable Vapor Density (AIR=1): Not Applicable Specific Gravity (H2O=1): Not Available Percent Volatile by Volume (%): Not Applicable Melting Point: 122-124° C Evaporation Rate (Butyl Acetate=1): Not Applicable Solubility in Water: Sparingly soluble. pH: Not Applicable

#### SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.

KEEP AWAY FROM: Strong oxidizing agents.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

LD 50: 350mg/kg (oral, rat) LD 50: 165 mg/kg (scu, mouse)  
LD 50: 30mg/kg (oral, child) LD 50: 15 mg/kg (iv, rabbit)  
LD 50: 34 mg/kg (iv, mouse) LD 50: 336 mg/kg (oral, G.Pig)  
LD 50: 157 mg/kg (scu, dog) LD 50: 19800 mg/kg (iv, cat)  
LD 50: 423 mg/kg (scu, rat) LD 50: 150 mg/kg (scu, G. Pig)  
LD 50: 30mg/kg (iv, dog) LD 50: 150 mg/kg (unreported route- mammal)

#### SECTION 12 - ECOLOGICAL INFORMATION

Not Available

#### SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations. RCRA WASTE #: Not Listed

#### SECTION 14 - TRANSPORTATION INFORMATION

D. O. T. SHIPPING NAME: Dextromethorphan HydroBromide

#### SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Not listed TSCA STATUS: Listed CERCLA REPORTABLE REQUIREMENTS: (RQ) None SARA

TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance Not listed

Section 313 Toxic Chemicals: Not listed

Section 311/312 Hazard Category: Not considered a hazard.

#### SECTION 16 - OTHER INFORMATION

Reason for Issue: Changed Date

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