



## **MEDICAL ISOTOPES, Inc.**

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### **SAFETY DATA SHEET**

#### **SECTION 1. Identification**

**Product:**

Product Name: Metformin-d<sub>6</sub> hydrochloride

Catalog number: D11574

**Supplier:**

Medical Isotopes, Inc.

100 Bridge Street

Pelham, NH 03076 USA

Tel: +1-603-635-2255 Fax: +1-603-635-2448

Email: [info@medicalisotopes.com](mailto:info@medicalisotopes.com)

**Suitability:**

For laboratory use only.

**Emergency Contact Information:**

Call Infotrac 24/7

DOMESTIC NORTH AMERICA 1-800-535-5053 (United States, Canada, Mexico)

INTERNATIONAL, CALL 1-352-323-3500

#### **SECTION 2. Hazard(s) identification**

**Hazard classification:**

Acute toxicity, Oral (Category 4), H302

Short-term (acute) aquatic hazard (Category 3), H402

**Signal Word:**

Warning

**Hazard Statements:**

H302 Harmful if swallowed.

H402 Harmful to aquatic life.

**Pictogram:**



**Precautionary Statements:**

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards:**

None

#### **SECTION 3. Composition/Information on Ingredients**

**Chemical name:**

Metformin-d<sub>6</sub> HCl

**Synonyms:**

Diabetosan-d<sub>6</sub>; Diabex-d<sub>6</sub>; Glucophage-d<sub>6</sub>; Metiguanide-d<sub>6</sub>

**CAS number:**

1185166-01-1

**Impurities/Additives:**

N/A

#### **SECTION 4. FIRST AID MEASURES**

**Skin Contact:** Wash with soap and water for several minutes. Consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** Remove from exposure and move to fresh air immediately. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water. Consult a physician.



## **SECTION 5. FIRE FIGHTING MEASURES**

### **Suitable extinguishing media**

Use water spray, foam, dry chemical or carbon dioxide.

### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire-fighting if necessary.

**Hazardous combustion products:** Carbon oxides, nitrogen oxides, hydrogen chloride gas.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Make sure to wear appropriate protective equipment as listed in section 8. Avoid breathing dust, vapors, or mists.

**Spill Clean-up Methods:** Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with a non-combustible material (e.g. sand, earth, diatomaceous earth), sweep up, and place into a suitable container for disposal. Avoid breathing the resulting dust.

## **SECTION 7. HANDLING & STORAGE**

**Usage/Handling Precautions:** Make sure to wear appropriate PPE as listed in section 8. Avoid contact with skin and eyes.

**Storage Conditions:** Refrigerate at 2-8°C.

## **SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**Engineering Controls:** Use fumehood if available.

### **Personal Protective Equipment**

Eyes: Always wear safety glasses when working with chemicals. Wear chemical goggles when working with liquids.

Skin: Wear protective gloves and a lab coat to prevent skin exposure.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White solid

**Odor:** N/A

**pH:** N/A

**Melting Point:** N/A

**Water Solubility (%):** N/A

**Flash Point (°C):** N/A

**Vapor pressure:** N/A

**Autoignition Temperature (°C):** N/A

**Flammability Limits in Air (% by Vol.):** N/A

## **SECTION 10. STABILITY & REACTIVITY**

**Reactivity:** N/A

**Chemical Stability:** Stable under recommended storage conditions

**Conditions to Avoid:** Strong oxidizing agents.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

**Inhalation:** N/A

**Ingestion:** LD50 Oral - Rat - male and female - 1,770 mg/kg

**Skin and eye contact:** LD50 Dermal - Rat - > 500 mg/kg; Skin - Rabbit, Result: No skin irritation (Draize Test); Eyes - Rabbit, Result: No eye irritation.

**Other:** Ames test, Salmonella typhimurium, Result: negative; Mutagenicity (mammal cell test): Mouse lymphoma test, Result: negative; Mutagenicity (mammal cell test): chromosome aberration; Human lymphocytes Result: negative; Mouse - male and female - Bone marrow, Result: negative.

## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity to fish: NOEC - Lepomis macrochirus (Bluegill sunfish) - > 932 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 64 mg/l - 48 h

Toxicity to algae: EC50 - Desmodesmus subspicatus (green algae) - > 320 mg/l - 72 h

## **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Procedures:** Via licensed disposal company. Dispose of according to federal, state/province and local regulations.



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### **SECTION 14. TRANSPORT INFORMATION**

Not dangerous goods.

### **SECTION 15. REGULATORY INFORMATION**

N/A

### **SECTION 16. OTHER INFORMATION**

Preparation information: Last revised on 07/08/2022

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