

Gadodiamide Hydrate: sc-337851



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Gadodiamide Hydrate

Product Number: sc-337851

Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800

Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2. COMPOSITION/DATA ON COMPONENTS:

Chemical Name: Gadodiamide Hydrate

Synonyms: Omniscan

Hazardous Ingredient: Gadodiamide Hydrate

CAS Registry Number: 122795-43-1

Molecular Weight: 591.68

Molecular Formula: C₁₆H₂₆GdN₅O₈·H₂O

3. HAZARDS IDENTIFICATION:

Hazard Description:

Toxic. Contains a pharmaceutically active ingredient.

Handling should only be performed by personnel trained and familiar with handling of potent active pharmaceutical ingredients. Moderate to severe irritant to the skin and eyes.

4. FIRST AID MEASURES:

After Inhalation: If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration.

After skin contact: Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician.

After eye contact: Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician.

After swallowing: If swallowed, wash out mouth with copious amounts of water; call a physician.

5. FIRE FIGHTING MEASURES:

Suitable extinguishing agents: Water spray, carbon dioxide, dry chemical powder or foam.

Protective equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire hazard: Emits toxic fumes such as carbon monoxide, etc.

6. ACCIDENTAL RELEASE MEASURES:

Person-related safety precautions: Cordon off area of spill; wear self-contained breathing apparatus, protective clothing and heavy rubber gloves

Measures for cleaning/collecting: Absorb solutions with finely- powdered liquid-binding material (diatomite, universal binders); decontaminate surfaces and equipment by scrubbing with alcohol; dispose of contaminated material according to Section 13.

7. HANDLING AND STORAGE:

Information for safe handling: Avoid inhalation and contact with skin, eyes and clothing; material may be an irritant

Storage: Store solid and solutions at -20 °C

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Personal protective equipment as follows:

Breathing equipment: NIOSH/MSHA-approved respirator

Protection of hands: Chemical-resistant rubber gloves.

Eye protection: Chemical safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Solubility in / Miscibility with water: Unknown

Solvent content: None

10. STABILITY AND REACTIVITY:

Stability: Stable if stored as directed; avoid strong oxidizing agents.

Thermal decomposition / conditions to be avoided: Protect from light and heat.

Dangerous products of decomposition: Thermal decomposition may produce toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION:

RTECS#:

Acute toxicity: none known

Primary irritant effect: not known

On the skin: none known

On the eye: not known; may be an irritant

12. ECOLOGICAL INFORMATION:

General notes: no data available

13. DISPOSAL CONSIDERATION:

Dispose of in accordance with prevailing country, federal, state and local regulations

14. TRANSPORT INFORMATION:

DOT:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

IATA class:

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport

15. REGULATIONS:

Code letter and hazard designation of product:

Hazard-determining components of labeling:

EU Risk And Safety phrases:

- S24/25: Avoid contact with skin and eyes
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S28: After contact with skin, wash immediately with plenty of water
- S36/37/39: Wear protective clothing, gloves and eye/face protection
- R28: Very toxic if swallowed R38: Irritating to skin
- R41: Risk of serious damages to eyes
- R48: Toxic; danger of serious damage to health by prolonged exposure
- R62: Possible risk of impaired fertility
- R63: Possible risk of harm to unborn child

16. OTHER INFORMATION:

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

10/21/2011