

Material Safety Data Sheet

Page: 1  
Rev. Date  
12/09/92

HYPaque (R) SODIUM

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Sanofi Winthrop USA  
90 Park Avenue  
New York, NY 10016

TELEPHONE NUMBER: (212)907-2000

PRODUCT NAME: HYPaque (R) SODIUM  
CHEMICAL FAMILY: Radiodiagnostic

SYNONYMS: HYPaque (R) SODIUM 20  
HYPaque (R) SODIUM 25  
HYPaque (R) SODIUM 50

*oral solution 120 mL  
(diatrizoate sodium solution, USP)  
NDC 0024-0768-01*



2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: DIATRIZOIC ACID DIHYDRATE  
PERCENT BY WEIGHT: > 10-25

INGREDIENT: WATER  
CAS NUMBER: 7732-18-5 PERCENT BY WEIGHT: > 25.0  
No Exposure Limits Established By  
ACGIH or OSHA

3. HAZARDS IDENTIFICATION

WARNING This is a pharmaceutical material available only with a prescription  
- use only as directed.

Overdose, may cause adverse cardiovascular, gastrointestinal, nervous,  
respiratory and urogenital system effects.

4. FIRST AID MEASURES

EYES

In case of eye contact, flush eyes with plenty of water for at least 15  
minutes. Seek medical attention if irritation develops.

SKIN

Wash thoroughly with soap and water.

INGESTION

Seek immediate medical attention or contact  
the Poison Control Center for further instructions.

=====  
Material Safety Data Sheet

Page: 2  
Rev. Date  
12/09/92  
=====

HYPaque (R) SODIUM  
=====

=====  
4. FIRST AID MEASURES - Continued  
=====

-----  
INHALATION  
-----

Not an expected route of entry.  
=====

=====  
5. FIRE FIGHTING MEASURES  
=====

-----  
FLAMMABLE PROPERTIES  
-----

FLASH POINT: N/A  
LOWER EXPLOSIVE LIMIT (%): N/A  
UPPER EXPLOSIVE LIMIT (%): N/A  
=====

-----  
FIRE AND EXPLOSION HAZARDS  
-----

None known  
=====

-----  
EXTINGUISHING MEDIA  
-----

Use any extinguishing agent which is suitable for the surrounding fire.  
=====

-----  
FIRE FIGHTING INSTRUCTIONS  
-----

Free flame may rupture containers and decompose the material to release toxic and irritating iodine vapor.  
=====

Use normal fire fighting gear.  
=====

=====  
6. ACCIDENTAL RELEASE MEASURES  
=====

Contain the spill by placing paper towels or a suitable absorbent material around the edges of the spill and work inward and place into a properly labeled waste container for disposal. Wash area of spill to remove from surfaces.  
=====

=====  
7. HANDLING AND STORAGE  
=====

-----  
HANDLING AND STORAGE PRECAUTIONS  
-----

Store away from heat and light - these conditions may produce iodine vapors.  
=====

Keep this and all drugs out of the reach of children.  
=====

-----  
WORK/HYGIENIC PRACTICES  
-----

Use good personal hygiene - wash hands and exposed skin thoroughly with soap and water after use.  
=====

=====  
Material Safety Data Sheet  
HYPAQUE (R) SODIUM  
=====  
Page: 3  
Rev. Date  
12/09/92  
=====

8. SPECIAL PROTECTIVE MEASURES  
=====

ENGINEERING CONTROLS  
-----

Normal ventilation

EYE/FACE PROTECTION  
-----

None normally required. Avoid eye contact.

SKIN PROTECTION  
-----

None Normally Required.

RESPIRATORY PROTECTION  
-----

None Normally Required.

=====  
9. PHYSICAL AND CHEMICAL PROPERTIES  
=====

APPEARANCE  
-----

Colorless to pale yellow liquid

BASIC PHYSICAL PROPERTIES  
-----

VAPOR PRESSURE: N/A  
VAPOR DENSITY (AIR=1): N/A  
SPECIFIC GRAVITY: N/A  
SOLUBILITY (H2O): Soluble

=====  
10. STABILITY AND REACTIVITY  
=====

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY)  
-----

Exposure to flame or temperatures above 300 °F may produce iodine vapors.

INCOMPATIBLE MATERIALS  
-----

None known

HAZARDOUS DECOMPOSITION PRODUCTS  
-----

Iodine vapor

HAZARDOUS POLYMERIZATION: Will not occur

## =====

M a t e r i a l   S a f e t y   D a t a   S h e e t

Page: 4  
Rev. Date  
12/09/92

HYPAQUE (R) SODIUM

## =====

## 11. TOXICOLOGICAL INFORMATION

## =====

## SUBCHRONIC (TARGET ORGAN EFFECTS)

-----

Cardiovascular System: vasodilation.

Digestive System: Nausea, vomiting.

Nervous System: Paresthesia, dizziness.

Respiratory System: Rhinitis, increased cough.

Skin and Appendages: Urticaria, pain at the injection site, painful hot erythematous swelling above the venipuncture site.

Special Senses: Perversion of taste.

Urogenital System: Osmotic nephrosis of the proximal tubular cells.

Clinical signs of systemic intolerance are tremors, irritability, tachycardia, dyspnea and pulmonary edema.

With any contrast medium introduced into the cerebral vasculature, neurologic complications, including neuromuscular disorders, seizures, loss of

## =====

## CHRONIC (CANCER INFORMATION)

-----

CARCINOGENICITY: NTP: No IARC: No OSHA: No

## MISCELLANEOUS TOXICOLOGICAL INFORMATION

-----

Carcinogenicity - NTP: No IARC: No OSHA: No

## =====

## 12. ECOLOGICAL INFORMATION

-----

NO DATA AVAILABLE

## =====

## 13. DISPOSAL CONSIDERATIONS

-----

Dispose in accordance with local, state and federal regulations.

## =====

## 14. TRANSPORT INFORMATION

-----

PROPER SHIPPING NAME: Non-regulated

Quantity limitations for passenger and cargo aircraft is 30 kg.

=====  
M a t e r i a l   S a f e t y   D a t a   S h e e tPage: 5  
Rev. Date  
12/09/92  
=====HYPAQUE (R) SODIUM  
=====15. REGULATORY INFORMATION  
=====U.S. FEDERAL REGULATORY INFORMATION  
=====

This product does NOT contain any ingredients which are regulated on the U.S. EPA List of Toxic Chemicals (40 CFR 372), and is therefore not subject to release reporting under Section 313 of EPCRA.

16. OTHER INFORMATION  
=====

DATE AND TIME OF PRINTING: 02/11/93 12:52:03

REFERENCE DOCUMENTATION  
=====

Primary references used in the preparation of this document:

1. [product] Package Insert
2. [Product] MSDS (Sterling Winthrop, [msds date])
3. ACGIH Guide to Occupational Exposure Values - 1991
4. Sterling Winthrop Corporate Quality Pharmaceutical File - 2/10/89

N/A = Not Applicable      N/D = Not Determined      ~ = Approximately Equal To

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES  
=====

This information is furnished without warranty, representation, or license of any kind, except that it is accurate to the best of Sterling Winthrop, Inc. knowledge or obtained from sources believed to be accurate. Sterling Winthrop Inc. does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests. Before using any product, read its label.