



## Material Safety Data Sheet

MSDS Number: 1102388  
Revision date: 01/13/2010  
Print date: 01/13/2010

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 1102388  
Product name: Dipyridamole Injection  
Product Codes: NDC 10019-197-21, NDC 10019-197-01, NDC 10019-197-71, NDC 10019-197-02, NDC 0641-2569-41, NDC 0641-2569-44, NDC 0641-1138-31, NDC 0641-1138-34, NDC 0641-1139-31, NDC 0641-1139-39  
Synonyms: None  
Chemical Family: Coronary vasodilator  
Product Type: Regulated Prescription Drug  
Container Information: 10 mL single dose vials  
Product Use: Pharmaceutical.

Supplier:  
BAXTER HEALTHCARE CORPORATION  
DEERFIELD, ILLINOIS 60015  
(800) 422-9837 or (847) 948-4770

Emergency telephone number: PROSAR: USA (888) 990-0996 OUTSIDE USA (615)917-6114  
CHEMTREC: USA (800) 424-9300 OUTSIDE USA (743)741-6089

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	UN Number:	Classification:
Dipyridamole 58-32-2	0.5	None	None
Tartaric Acid 87-69-4	<0.5	None	None
Polyethylene Glycol 25322-68-3	4-6	None	None
Water 7732-18-5	>94	None	None

### 3. HAZARDS IDENTIFICATION

Emergency overview: CAUTION! Irritation potential to skin, eyes, and mucous membranes. Avoid skin contact. Avoid eye contact. Wash thoroughly after handling.

Principle routes of exposure: Absorbed through skin. Eye contact. Ingestion.

Inhalation: Inhalation not likely under normal use conditions. May cause respiratory tract irritation.

Ingestion: Gastrointestinal effects (may include nausea, upset stomach, loss of appetite). Cardiovascular effects (may include fluctuations in heart rate, changes in blood pressure, chest pain). May irritate digestive tract.

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### 3. HAZARDS IDENTIFICATION

**Skin contact:** May cause irritation and/or allergic reactions.

**Eye contact:** Irritating to eyes.

### 4. 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.

**Skin contact:** In case of contact, immediately flush skin with plenty of water. Wash contaminated skin with soap and water. Get medical attention if irritation develops.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention

**Notes to physician:** See patient package insert in shipping carton for complete information.

### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Use foam or all purpose dry chemicals to extinguish.  
**Special protective equipment for firefighters:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

**Specific methods:** No information available.

**Flash point:** Not determined

**Autoignition temperature:** Not available

**Flammable limits in air-lower (%):** Not available

**Flammable limits in air-upper (%):** Not available

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

**Environmental precautions:** No information available.

**Methods for cleaning up:** If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

### 7. HANDLING AND STORAGE

**Handling:**  
**Technical measures/precautions:** Wash thoroughly after handling.

**Storage:**

## 7. HANDLING AND STORAGE

**Technical measures/Storage conditions:** Keep containers tightly closed in a cool, well-ventilated place. Store between 15°-25°C (59°-77°F). Avoid freezing.

**Incompatible products:** No special restrictions on storage with other products.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

Component	OSHA- Time Weighted Average:	OSHA- Short Term Exposure Limit:	OSHA- Ceiling Limits	ACGIH- Time Weighted Average:	ACGIH- Short Term Exposure Limit:	ACGIH- Ceiling Limit Value:
Dipyridamole 58-32-2	None	None	None	None	None	None
Tartaric Acid 87-69-4	None	None	None	None	None	None
Polyethylene Glycol 25322-68-3	None	None	None	None	None	None
Water 7732-18-5	None	None	None	None	None	None

**Engineering measures:** No special containment is required. Good general ventilation should be sufficient to control airborne levels.

### Personal protective equipment:

**Respiratory protection:** No personal respiratory protective equipment normally required.

**Hand protection:** Use chemical resistant, impervious gloves.

**Skin and body protection:** Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

**Eye protection:** Eye protection not required for normal final product use. Safety glasses with side-shields are recommended for laboratory and manufacturing use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Appearance:** Aqueous solution  
**Color:** Light yellow  
**Odor:** Odorless  
**pH:** 2.2 - 3.2  
**Molecular weight:** Not applicable  
**Boiling point/range:** Not available.  
**Melting point/range:** Not available.  
**Density:** Not available.  
**Vapor pressure:** Not available.  
**Evaporation rate:** Not available.  
**Solubility:** Not available.  
**Partition coefficient (n-octanol/water):** Not available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Viscosity:** Not available.  
**% Volatile by Volume:** Not available.

## 10. STABILITY AND REACTIVITY

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

**Polymerization:** Not applicable

**Hazardous decomposition products:** Not available.

**Materials to avoid:** Acids. Bases. Oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

Component	LD50s and LC50s
Dipyridamole 58-32-2	Oral LD50 Mouse = 2150 mg/kg Oral LD50 Rat = 8400 mg/kg Oral LD50 Rabbit = 4250 mg/kg Intravenous LD50 Rat = 195 mg/kg Intravenous LD50 Mouse = 85 mg/kg
Tartaric Acid 87-69-4	None
Polyethylene Glycol 25322-68-3	Oral LD50 Rat = 28 gm/kg Oral LD50 Mouse = 34 gm/kg Dermal LD50 Rabbit >20 gm/kg
Water 7732-18-5	Oral LD50 Rat: >50000 mg/kg

**Acute toxicity:** Gastrointestinal effects (may include nausea, upset stomach, loss of appetite). Cardiovascular effects (may include cardiac death, myocardial infarction, ventricular fibrillation, increased heart rate, stroke, asystole (no contractions of the heart), sinus node arrest, depression, conduction block) Nervous System effects (may include ataxia, tremor, disturbance of speech, lethargy, headache, dizziness, blurred vision).

**Chronic toxicity:** No data is available on the product itself.

**Carcinogenic effects:** Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. No drug related carcinogenic/tumorigenic effects based on animal data.

**Mutagenic effects:** Not mutagenic in a standard battery of genetic toxicological tests.

**Reproductive toxicity:** May impair fertility at high doses based on animal data. Not considered fetotoxic based on animal data.

**FDA Pregnancy Category** B

## 12. ECOLOGICAL INFORMATION

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### Environmental properties:

Component	Ecotoxicity - Water Flea Data	Fish Species Ecotoxicity	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data
Dipyridamole 58-32-2	None.	None.	None.	None.
Tartaric Acid 87-69-4	None.	None.	None.	None.
Polyethylene Glycol 25322-68-3	None.	5000mg/LLC50Caras sius auratus24h	None.	100000mg/LEC50Photo bacterium phosphoreum15min
Water 7732-18-5	None.	None.	None.	None.

**Ecotoxicity effects:** No data available

**Bioaccumulation:** No data available

## 13. DISPOSAL CONSIDERATIONS

**Waste Classification:** Not regulated.

**Waste from residues / unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

## 14. TRANSPORT INFORMATION

### DOT:

DOT shipping name: None  
UN Number: None  
DOT Packing Group: None  
DOT Hazard class: None

### TDG (Canada):

TDG Proper shipping name: None  
TDG UN/NA Number: None  
TDG Packing Group: None  
TDG Hazard class: None

### ADR/RID:

ADR Official Transport Name: None  
ADR Proper shipping name: None  
ADR UN/NA number: None  
ADR Hazard Class: None

### ICAO / IATA:

IATA Proper shipping name: None  
IATA UN NUMBER: None  
IATA Primary Hazard: None  
IATA Packing group: None  
ICAO ERG Code: None

## 14. TRANSPORT INFORMATION

### IMO / IMDG:

IMDG Proper Shipping Name: None  
IMDG Hazard Class and Division: None  
IMDG Packing Group: None  
IMDG Subsidiary Risks: None

## 15. REGULATORY INFORMATION

### U.S. Regulations:

TSCA Inventory List - The product is exempt from TSCA, it is FDA Regulated

### OTHER REGULATIONS:

Japanese Inventory (ENCS) This product complies with JPENCS

Component	Weight %	RCRA Status:	CERCLA Reportable Quantity:	CERCLA/SARA - 302 Ext. haz. substances:	Listed as Sara 313 title III:
Dipyridamole	0.5	Not Listed	Not Listed	Not Listed	Not Listed
Tartaric Acid	<0.5	Not Listed	Not Listed	Not Listed	Not Listed
Polyethylene Glycol	4-6	Not Listed	Not Listed	Not Listed	Not Listed
Water	>94	Not Listed	Not Listed	Not Listed	Not Listed

### STATE REGULATIONS:

Component	California Prop 65:	Minnesota Right-To - Know:	Florida Right-to-Know Reporting List:	Rhode Island Right-to-Know List:	Massachusetts Right-to-Know List:	Pennsylvania Right-to-Know:	New Jersey Right-to-Know:
Dipyridamole	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Tartaric Acid	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Polyethylene Glycol	Not Listed	Present	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Water	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

### CANADIAN REGULATIONS:

Canada DSL Inventory List - This product does not comply with DSL

EU EINECS List - This product does not comply with EINECS

### Risk Phrases:

Not determined

### Safety Phrases:

Not Determined

## 16. OTHER INFORMATION

Product id: 1102388

Product name: Dipyridamole Injection

## 16. OTHER INFORMATION

**This data sheet contains changes from the previous version in section(s)?:**

Changes to Section 14. Additional product codes. Change to container information. Changes to Section 8. Changes to Section 11.

**Additional information:**

Not Available.

**Prepared by:**

Technology Resources, Baxter Healthcare Corporation

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**End of safety data sheet:**