

SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 1 of 16
Function:	Effective Date:	Version number:

Section 1. Identification

GHS product identifier : Idarubicin Hydrochloride Injection, USP
Other means of identification : Idarubicin Hydrochloride Injection, USP

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Pharmaceuticals. (For intended use only.)

Observe technical data sheet/instructions for use.

Specific Treatments: Anticancer

Area of application : Professional applications.

Supplier's details : Meitheal Pharmaceuticals, Inc.

8700 W. Bryn Mawr, Suite 600S

Chicago, IL 60631

Telephone: 224-443-4617 www.meithealpharma.com

e-mail address of person responsible for this SDS

: info@meithealpharma.com

Emergency telephone number (with hours of operation)

: 844-824-8426 (Monday - Friday, 08:00 - 18:00 CST)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the : H351 CARCINOGENICITY - Category 2

substance or mixture H360 TOXIC TO REPRODUCTION - Category 1B

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements: H351 - Suspected of causing cancer.

H360 - May damage fertility or the unborn child.

Precautionary statements



SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 2 of 16
Function:	Effective Date:	Version number:
Regulatory Affairs	February 06, 2025	1.0

Section 2. Hazards identification

Prevention: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves, protective clothing and eye or face protection.

Response : P308 + P313 - IF exposed or concerned: Get medical advice or attention.

Storage : P405 - Store locked up.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national

and international regulations.

Hazards not otherwise

classified

: None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification

: Idarubicin Hydrochloride Injection, USP

Ingredient name	Other names	%	Identifiers
Water	-	≥90	CAS: 7732-18-5
glycerol	Glycerin	≤3	CAS: 56-81-5
(7S-cis)-9-acetyl-7-[(3-amino-2,3,6-trideoxy-α-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,9,11-trihydroxynaphthacene-5,12-dionehydrochloride		≤0.3	CAS: 57852-57-0
Hydrochloric acid sodium hydroxide	_	≤0.1 ≤0.1	CAS: 7647-01-0 CAS: 1310-73-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Section 4. First aid measures

Description of necessary first aid measures

Eve contact : Immediate

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.



SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 3 of 16
Function: Regulatory Affairs	Effective Date: February 06, 2025	Version number: 1.0

Section 4. First aid measures

Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.

Over-exposure signs/symptoms

Notes to physician

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water

: Treat symptomatically. Contact poison treatment specialist immediately if large

before removing it, or wear gloves.



SDS Number: SDS-000103	Page Number: Page 4 of 16
Effective Date: February 06, 2025	Version number: 1.0

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: Do not use water jet.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: carbon dioxide

carbon dioxide

Special protective actions for fire-fighters

Special protective equipment for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

: Fire-fighters should year appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders :

: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.



SDS Number: SDS-000103	Page Number: Page 5 of 16
Effective Date: February 06, 2025	Version number: 1.0

Section 6. Accidental release measures

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e. g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use A void exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 2 to 8°C (35.6 to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Water	None.
glycerol	OSHA PEL (United States, 5/2018) TWA 8 hours: 15 mg/m³. Form: Total dust. TWA 8 hours: 5 mg/m³. Form: Respirable fraction. CAL OSHA PEL (United States, 5/2018) TWA 8 hours: 5 mg/m³. Form: respirable fraction. TWA 8 hours: 10 mg/m³. Form: total dust.
(7S-cis)-9-acetyl-7-[(3-amino-2,3,6-trideoxy-α-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-	None.



SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 6 of 16
Function: Regulatory Affairs	Effective Date: February 06, 2025	Version number: 1.0

Section 8. Exposure controls/personal protection

6,9,11-trihydroxynaphthacene-5,12-dione hydrochloride	
Hydrochloric acid	ACGIH TLV (United States, 1/2024) A4.
	C: 2 ppm.
	NIOSH REL (United States, 10/2020)
	CEIL: 5 ppm.
	CEIL: 7 mg/m³.
	OSHA PEL (United States, 5/2018)
	CEIL: 5 ppm.
	CEIL: 7 mg/m³.
	CAL OSHA PEL (United States, 5/2018)
	C: 2 ppm.
	TWA 8 hours: 0.45 mg/m³.
	TWA 3 hours: 0.3 ppm.
sodium hydroxide	ACCII TLV (United States, 1/2024)
, , , , , , , , , , , , , , , , , , , ,	C 2 mg/m ³ .
	NIOSH REL (United States, 10/2020)
	CEIL: 2 mg/m³.
	OSHA PEL (United States, 5/2018)
	TWA 8 hours: 2 mg/m ³ .
	CAL OSHA PEL (United States, 5/2018)
40	C: 2 mg/m ³ .

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection



SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 7 of 16
Function: Regulatory Affairs	Effective Date: February 06, 2025	Version number: 1.0

Section 8. Exposure controls/personal protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be

worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection

time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being

performed and the risks involved and should be approved by a specialist before handling

this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected

based on the task being performed and the risks involved and should be approved by a

specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the

appropriate standard or certification Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid. [Clear.]
Color : Orange-Red
Odor : Not available.

Odor threshold : Not available.

pH : 3 to 4

Melting point : Not available.

Boiling point or initial : Not available.

boiling point and boiling

range Flash point

: Not available.: Not available.: Not available.: Not available.

Flammability
Lower and upper explosion
limit/flammability limit

Vapor pressure

Evaporation rate

 Vapor Pressure at 20°C
 Vapor pressure at 50°C

 Ingredient name
 mm Hg
 kPa
 Method
 mm Hg
 kPa
 Method

 Water
 17.5
 2.3
 92.258
 12.3

Relative vapor density : Not available. **Relative density** : Not available.



SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 8 of 16
Function: Regulatory Affairs	Effective Date: February 06, 2025	Version number: 1.0

Section 9. Physical and chemical properties

Density : 0.984 to 1.024 g/cm³

Solubility(ies) : Media Result

water Soluble

Miscible with water : Yes.

Partition coefficient: n-

octanol/water

: Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

SADT : Not available.

Viscosity : Dynamic (room temperature): Not available.

Kinematic (room temperature): Not a vailable. Kinematic (40°C (104°F)): Not available.

Flow time (ISO 2431) : Not available.

Particle characteristics

Median particle size

: Not applicable.

Other information

Physical/chemical properties comments

: No additional information.

Section 10. Stability and reactivity

Reactivity : No specific lest data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous

reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid : No specific data.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition

products

: Under normal conditions of storage and use, hazardous decomposition products should

not be produced.



Meitheal Pharmaceuticals, Inc.

Safety Data Sheet

	Page 9 of 16
 Effective Date: February 06, 2025	Version number: 1.0

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
glycerol	LD50 Dermal LD50 Oral	Rabbit Rat	>18700 mg/kg 12600 mg/kg	-
(7S-cis)-9-acetyl-7-[(3-amino- 2,3,6-trideoxy-α-L-lyxo- hexopyranosyl)oxy] -7,8,9,10-tetrahydro- 6,9,11-trihydroxynaphthacene- 5,12-dione hydrochloride	LD50 Oral	Rat	5430 μg/kg	_

W

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Skin - Mild irritant	Rabbit		mg 24 hours 500	
	OKIIT - WIIIG IITILATIL	Rabbit		mg	
Hydrochloric acid	Eyes - Mild irritant	Rabbit	-	0.5 minutes 5	-
	,,,,			mg	
sodium hydroxide	Eyes - Mild irritant	Rabbit	-	400 ug	-
	Eyes - Severe irritant	Rabbit	-	1 %	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1	-
				mg	
	Eyes - Severe irritant	Rabbit	-	24 hours 50	-
				ug	
	Skin - Severe irritant	Rabbit	-	24 hours 500	-
				mg	

Sensitization

Not available.

Mutagenicity

Conclusion/Summary

: Not available.

Carcinogenicity

Conclusion/Summary

: Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Hydrochloric acid	-	3	-

Reproductive toxicity

Conclusion/Summary

: Not available.

Teratogenicity

Conclusion/Summary : Not available.



SDS Title: Idarubicin Hydrochloride Injection, USP Safety Data Sheet		Page Number: Page 10 of 16
Function:	Effective Date:	Version number:
Regulatory Affairs	February 06, 2025	1.0

Section 11. Toxicological information

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Hydrochloric acid	Category 3	-	Respiratory tract irritation
sodium hydroxide	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

: Routes of entry anticipated: Oral Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact
 Inhalation
 No known significant effects or critical hazards.
 Skin contact
 No known significant effects or critical hazards.
 Ingestion
 No known significant effects or critical hazards.
 No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion: Adverse symptoms may include the following:

reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.



SDS Title: Idarubicin Hydrochloride Injection, USP Safety Data Sheet		Page Number: Page 11 of 16
Function: Regulatory Affairs	Effective Date: February 06, 2025	Version number: 1.0

Section 11. Toxicological information

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity: May damage fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
glycerol (7S-cis)-9-acetyl-7-[(3-amino-2,3,6-trideoxy-α-L-ly το-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,9,11-trihydroxynaphthacene-5,12-dionehydrochloride	12600 5.43	N/A N/A	N/A N/A	N/A N/A	N/A N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Hydrochloric acid	Acute LC50 240 mg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
sodium hydroxide	Acute LC50 282 ppm Fresh water Acute EC50 40.38 mg/l Fresh water	Fish - <i>Gambusia affinis</i> - Adult Crustaceans - <i>Ceriodaphnia dubia</i>	96 hours 48 hours
	Acute LC50 125 ppm Fresh water	- Neonate Fish - <i>Gambusia affinis</i> - Adult	96 hours

Conclusion/Summary : Not available.

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
glycerol	-	-	Readily



Meitheal Pharmaceuticals, Inc.

Safety Data Sheet

SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 12 of 16
Function: Regulatory Affairs	Effective Date: February 06, 2025	Version number: 1.0

Section 12. Ecological information

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Water	-1.38	-	Low
glycerol	-1.76	_	Low

Mobility in soil

Soil/Water partition coefficient

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Additional information



SDS Title: Idarubicin Hydrochloride Injection, USP Safety Data Sheet		Page Number: Page 13 of 16
	Effective Date: February 06, 2025	Version number: 1.0

Section 14. Transport information

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according

to IMO instruments

: Not available.

Section 15. Regulatory information

: TSCA 8(a) CDR Exempt/Partial exemption: Not determined **U.S. Federal regulations**

United States inventory (TSCA 8b): Not determined.

Clean Water Act (CWA) 311: Hydrochloric acid; sodium hydroxide

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)** : Listed

Clean Air Act Section 602

Class I Substances

: Not listed

Clean Air Act Section 602

Class II Substances

: Not listed

DEA List I Chemicals

(Precursor Chemicals)

: Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

			SARA 302 TPQ		SARA 304 RQ	
Name	%	EHS	(lbs)	(gallons)	(lbs)	(gallons)
Hydrochloric acid	≤0.1	Yes.	500	-	5000	-

SARA 304 RQ : 5555555.6 lbs / 2522222.2 kg [663646 gal / 2512173.5 L]

SARA 311/312

Classification : CARCINOGENICITY - Category 2

TOXIC TO REPRODUCTION - Category 1B

Composition/information on ingredients



Meitheal Pharmaceuticals, Inc.

Safety Data Sheet

SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 14 of 16
Function:	Effective Date:	Version number:
Regulatory Affairs	February 06, 2025	1.0

Section 15. Regulatory information

Name	%	Classification
glycerol (7S-cis)-9-acetyl-7-[(3-amino-2,3,6-trideoxy-α-L-lyxo-hexopyranosyl)oxy] -7,8,9,10-tetrahydro-6,9,11-trihydroxynaphthacene-5,12-dione hydrochloride	≤3 ≤0.3	EYE IRRITATION - Category 2B ACUTE TOXICITY (oral) - Category 2 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B
Hydrochloric acid	≤0.1	CORROSIVE TO METALS - Category 1 SKIN CORROSION - Category 1B SERIOUS EYE DAMAGE - Category 1 SPECIFIC TAPCET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory track irritation) - Category 3 HNOC - Con osive to digestive tract
sodium hydroxide	≤0.1	CORPOSIVE TO METALS - Category 1 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Corrosive to digestive tract [severe]

SARA 313

Not applicable.

State regulations

Massachusetts : The following components are listed: GLYCERINE MIST

New York : None of the components are listed.

New Jersey : The following components are listed: GLYCERIN

Pennsylvania : The following components are listed: 1,2,3-PROPANETRIOL

California Prop. 65

MARNING: This product can expose you to Idarubicin hydrochloride, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name		Maximum acceptable dosage level
Idarubicin hydrochloride	-	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.



SDS Number: SDS-000103	Page Number: Page 15 of 16
Effective Date: February 06, 2025	Version number: 1.0

Section 15. Regulatory information

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



Procedure used to derive the classification

Classification	Justification
1	Calculation method Calculation method

History

Date of issue/Date of

revision

: 02/06/2025

Date of previous issue

: No previous validation

Version

: 1.0

Prepared by

: Sphera Solutions

Key to abbreviations

: ATE = Acute Toxicity Estimate

AMP = Acceptable maximum peak above the acceptable ceiling concentration for an

8-hr shift

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container



SDS Title:	SDS Number:	Page Number:
Idarubicin Hydrochloride Injection, USP Safety Data Sheet	SDS-000103	Page 16 of 16
Function: Regulatory Affairs	Effective Date: February 06, 2025	Version number: 1.0

Section 16. Other information

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available UN = United Nations

References : HCS (U.S.A.)- Hazard Communication Standard

International transport regulations

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.