

SDS Title: Leuprolide Acetate Injection, USP Safety Data Sheet	SDS Number: SDS-000084	Page Number: Page 1 of 18
Function: Regulatory Affairs	Effective Date: April 03, 2026	Version number: 2.0

Section 1. Identification

GHS product identifier : Leuprolide Acetate Injection, USP
Other means of identification : Leuprolide Acetate 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: Palliative treatment of advanced prostatic cancer.

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 substance or mixture : H360 TOXIC TO REPRODUCTION - Category 1B

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H360 - May damage fertility or the unborn child.

Precautionary statements

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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.
- Hazards identified when used** : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Leuprolide Acetate Injection, USP

Ingredient name	Synonyms	%	Identifiers
Water	-	≥80	CAS: 7732-18-5
benzyl alcohol	Benzyl alcohol	≥0.1 - ≤1	CAS: 100-51-6
sodium chloride	-	≥0.1 - ≤1	CAS: 7647-14-5
leuprorelin	-	≥0.1 - ≤1	CAS: 53714-56-0
sodium hydroxide	-	≥0.1 - ≤1	CAS: 1310-73-2
acetic acid	Acetic acid	≥0.1 - ≤1	CAS: 64-19-7
nitrogen	Nitrogen	≥0.1 - ≤1	CAS: 7727-37-9

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

- Eye contact** : 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 if irritation occurs.
- 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.

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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** : No known significant effects or critical hazards.
- 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

- 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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large 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 before removing it, or wear gloves.

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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 : No specific data.

Special protective actions 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.

Special protective equipment for fire-fighters : Fire-fighters should wear 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.

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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. Avoid 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, kept 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 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.
benzyl alcohol	OARS WEEL (United States, 6/2025) TWA 8 hours: 10 ppm.
sodium chloride	None.
leuprorelin	None.
sodium hydroxide	ACGIH TLV (United States, 1/2025) C: 2 mg/m ³ . NIOSH REL (United States, 10/2020) CEIL: 2 mg/m ³ . OSHA PEL (United States, 5/2018)

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Section 8. Exposure controls/personal protection

acetic acid	<p>TWA 8 hours: 2 mg/m³. CAL OSHA PEL (United States, 1/2025) C: 2 mg/m³. ACGIH TLV (United States, 1/2025) TWA 8 hours: 10 ppm. TWA 8 hours: 25 mg/m³. STEL 15 minutes: 15 ppm. STEL 15 minutes: 37 mg/m³. NIOSH REL (United States, 10/2020) TWA 10 hours: 10 ppm. TWA 10 hours: 25 mg/m³. STEL 15 minutes: 15 ppm. STEL 15 minutes: 37 mg/m³. OSHA PEL (United States, 5/2018) TWA 8 hours: 10 ppm. TWA 8 hours: 25 mg/m³. CAL OSHA PEL (United States, 1/2025) STEL 15 minutes: 37 mg/m³. STEL 15 minutes: 15 ppm. C: 40 ppm. TWA 8 hours: 25 mg/m³. TWA 8 hours: 10 ppm. ACGIH TLV (United States, 1/2025) Oxygen depletion [asphyxiant].</p>
nitrogen	

Biological exposure indices

None known.

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.

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Section 8. Exposure controls/personal protection

Skin 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** : Colorless.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 5.5 to 6.5
- Melting point** : Not available.
- Boiling point or initial boiling point and boiling range** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not available.

Vapor pressure

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Water	17.5	2.3		92.258	12.3	

- Relative vapor density** : Not available.

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Section 9. Physical and chemical properties

Relative density	: 1.004 [Water = 1]				
Density	: 1.004 g/cm ³				
Solubility(ies)	: <table border="1" style="display: inline-table; vertical-align: middle;"> <thead> <tr> <th style="text-align: left;">Media</th> <th style="text-align: left;">Result</th> </tr> </thead> <tbody> <tr> <td>water</td> <td>Easily soluble</td> </tr> </tbody> </table>	Media	Result	water	Easily soluble
Media	Result				
water	Easily 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 available. Kinematic (40°C (104°F)): 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 test 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.

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Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name

Result

benzyl alcohol

Rat - Oral - LD50
1230 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Behavioral - Excitement Behavioral - Coma

Rabbit - Dermal - LD50
2000 mg/kg

sodium chloride

Rat - Oral - LD50
3000 mg/kg

sodium hydroxide

Rat - Oral - LD50
325 mg/kg

acetic acid

Rat - Oral - LD50
3310 mg/kg
Rabbit - Dermal - LD50
1060 mg/kg
Rat - Inhalation - LC50 Vapor
11000 mg/m³ [4 hours]

Conclusion/Summary [Product]

: Not available.

Skin corrosion/irritation

Product/ingredient name

Result

benzyl alcohol

Rabbit - Skin - Moderate irritant
Duration of treatment/exposure: 24 hours

sodium chloride

Amount/concentration applied: 100 mg
Rabbit - Skin - Mild irritant
Duration of treatment/exposure: 24 hours

sodium hydroxide

Amount/concentration applied: 500 mg
Rabbit - Skin - Severe irritant
Duration of treatment/exposure: 24 hours

acetic acid

Amount/concentration applied: 500 mg
Rabbit - Skin - Mild irritant
Duration of treatment/exposure: 24 hours
Amount/concentration applied: 50 mg
Rabbit - Skin - Severe irritant
Amount/concentration applied: 525 mg

Conclusion/Summary [Product]

: Not available.

Serious eye damage/eye irritation

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Section 11. Toxicological information

Product/ingredient name	Result
sodium chloride	Rabbit - Eyes - Moderate irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 mg
sodium hydroxide	Rabbit - Eyes - Moderate irritant Amount/concentration applied: 10 mg Rabbit - Eyes - Mild irritant Amount/concentration applied: 400 ug Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 50 ug Rabbit - Eyes - Severe irritant Amount/concentration applied: 1 % Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 24 hours Amount/concentration applied: 1 mg Rabbit - Eyes - Severe irritant Duration of treatment/exposure: 0.5 minutes Amount/concentration applied: 1 mg
acetic acid	Rabbit - Eyes - Mild irritant Duration of treatment/exposure: 0.5 minutes Amount/concentration applied: 5 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

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Section 11. Toxicological information

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

benzyl alcohol

sodium hydroxide

Result

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation) - Category 3

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 : No known significant effects or critical hazards.

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.

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

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Section 11. Toxicological information

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 effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary [Product] : Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

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/l)
benzyl alcohol	1230	2000	N/A	N/A	N/A
sodium chloride	3000	N/A	N/A	N/A	N/A
sodium hydroxide	325	N/A	N/A	N/A	N/A
acetic acid	3310	1060	N/A	11	N/A

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Section 12. Ecological information

Toxicity

Product/ingredient name	Result	
benzyl alcohol	Acute - LC50 - Fresh water	<u>Effect:</u> Mortality
	Fish - Bluegill - <i>Lepomis macrochirus</i>	
	10 ppm [96 hours]	
	Acute - EC50 - Fresh water	OECD [Daphnia sp. Acute
	Daphnia	Immobilization Test and Reproduction
	230 mg/l [48 hours]	Test]
	Chronic - NOEC - Fresh water	OECD [Daphnia Magna Reproduction
	Daphnia	Test]
	51 mg/l [21 days]	
	Acute - EC50 - Fresh water	OECD [Alga, Growth Inhibition Test]
Algae		
495 mg/l [72 hours]		
Acute - NOEC - Fresh water	OECD [Alga, Growth Inhibition Test]	
Algae		
309 mg/l [72 hours]		
sodium chloride	Acute - LC50 - Fresh water	<u>Effect:</u> Mortality
	Fish - Striped bass - <i>Morone saxatilis</i> -	
	Larvae	
	1000 mg/l [96 hours]	
	Chronic - NOEC - Fresh water	<u>Effect:</u> Reproduction
	Daphnia - Water flea - <i>Daphnia pulex</i>	
	0.3-4 g/l [21 days]	
	Chronic - NOEC - Fresh water	<u>Effect:</u> Reproduction
	Fish - Eastern mosquitofish - <i>Gambusia</i>	
	<i>holbrooki</i> - Adult	
100 mg/l [8 weeks]		
Chronic - NOEC - Fresh water	<u>Effect:</u> Growth	
Aquatic plants - Duckweed - <i>Lemna</i>	OECD	
<i>minor</i>		
6 g/l [96 hours]		
Acute - EC50 - Fresh water	<u>Effect:</u> Population	
Algae - Green algae - <i>Chlamydomonas</i>		
<i>reinhardtii</i>		
4.74 g/l [96 hours]		
Acute - EC50 - Fresh water	<u>Effect:</u> Intoxication	
Daphnia - Water flea - <i>Daphnia magna</i>		
402.6 mg/l [48 hours]		
sodium hydroxide	Acute - LC50 - Fresh water	<u>Effect:</u> Mortality
	Fish - Western mosquitofish - <i>Gambusia</i>	
	<i>affinis</i> - Adult	
	125 ppm [96 hours]	
	Acute - EC50 - Fresh water	<u>Effect:</u> Intoxication
Crustaceans - Water flea -		
<i>Ceriodaphnia dubia</i> - Neonate		
<u>Age:</u> <24 hours		

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Section 12. Ecological information

acetic acid	40.38 mg/l [48 hours] Acute - LC50 - Marine water Crustaceans - Brine shrimp - <i>Artemia salina</i>	<u>Effect:</u> Mortality
	32 mg/l [48 hours] Acute - LC50 - Fresh water Fish - Bluegill - <i>Lepomis macrochirus</i>	<u>Effect:</u> Mortality
	75 ppm [96 hours]	

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Conclusion/Summary [Product] : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
benzyl alcohol	-	-	Readily
acetic acid	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Water	-1.38	-	Low
benzyl alcohol	0.87	-	Low
acetic acid	-0.17	3.16	Low
nitrogen	0.67	-	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

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Section 13. Disposal considerations

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

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

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): All components are active or exempted.
Clean Water Act (CWA) 311: sodium hydroxide; acetic acid

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

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Section 15. Regulatory information

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

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : TOXIC TO REPRODUCTION - Category 1B

Composition/information on ingredients

Name	%	Classification
benzyl alcohol	≥0.1 - ≤1	ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
sodium chloride	≥0.1 - ≤1	EYE IRRITATION - Category 2A
leuprorelin	≥0.1 - ≤1	TOXIC TO REPRODUCTION - Category 1B
sodium hydroxide	≥0.1 - ≤1	CORROSIVE TO METALS - Category 1 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
acetic acid	≥0.1 - ≤1	HNOC - Corrosive to digestive tract [severe] FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 HNOC - Corrosive to digestive tract [severe]
nitrogen	≥0.1 - ≤1	GASES UNDER PRESSURE - Compressed gas SIMPLE ASPHYXIANTS

SARA 313

Not applicable.

State regulations

Massachusetts : None of the components are listed.

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Section 15. Regulatory information

- New York** : None of the components are listed.
- New Jersey** : None of the components are listed.
- Pennsylvania** : None of the components are listed.
- California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

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.

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.)

Health	*	0
Flammability		0
Physical hazards		0

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

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Section 16. Other information

Classification	Justification
TOXIC TO REPRODUCTION - Category 1B	Calculation method

History

- Date of issue/Date of revision** : 04/03/2026
- Date of previous issue** : 04/08/2024
- Version** : 2.0
- Prepared by** : Sphera Solutions
- Key to abbreviations** :
 - ATE = Acute Toxicity Estimate
 - BCF = Bioconcentration Factor
 - GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 - IATA = International Air Transport Association
 - IBC = Intermediate Bulk Container
 - IMDG = International Maritime Dangerous Goods
 - IMO = International Maritime Organization
 - 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
 - SGG = Segregation Group
 - TDG = Transportation of Dangerous Goods
 - 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.