

Safety Data Sheet

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| Function: Regulatory Affairs | Effective Date: April 08, 2024 | Version number: 1.0 |

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.

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Other means of identification

: Leuprolide Acetate Injection, USP

| Ingredient name | Other names | % | Identifiers |
|--|-------------|---|--|
| water benzyl alcohol sodium chloride leuprorelin sodium hydroxide acetic acid nitrogen | | ≥90 <1 <1 ≤1 ≤0.3 ≤0.3 ≤0.3 | CAS: 7732-18-5 CAS: 100-51-6 CAS: 7647-14-5 CAS: 53714-56-0 CAS: 1310-73-2 CAS: 64-19-7 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 : Immediatel

: 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.

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.



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Section 4. First aid measures

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

See toxicological information (Section 11)



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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

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 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. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry 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, 4/2022) |
| | TWA 8 hours: 10 ppm. |
| sodium chloride | None. |
| leuprorelin | None. |
| sodium hydroxide | ACGIH TLV (United States, 7/2023) |
| | C: 2 mg/m³. |
| | NIOSH REL (United States, 10/2020) |
| | CEIL: 2 mg/m³. |
| | OSHA PEL (United States, 5/2018) |



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Section 8. Exposure controls/personal protection

TWA 8 hours: 2 mg/m³. CAL OSHA PEL (United States, 5/2018) C: 2 mg/m³. acetic acid ACGIH TLV (United States, 7/2023) 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, 5/2018) 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. nitrogen ACGIH TLV (United States, 7/2023) Oxygen depletion [asphyxiant].

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



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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 : Colorless.
Odor : Not available.
Odor threshold : Not available.

pH : 5.5 to 6.5

Melting point : Not available.

Boiling point or initial : Not available.

Boiling point or initial boiling point and boiling

range

Flash point : Not available.
Evaporation rate : Not available.
Flammability : Not available.
Lower and upper explosion : Not available.

limit/flammability limit

Vapor pressure

| | Vapor Pressure at 20°C | | Vapo | r pressu | re 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** : 1.004 [Water = 1]



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Section 9. Physical and chemical properties

Density : 1.004 g/cm³

Solubility(ies) : 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.

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 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 | Species | Dose | Exposure |
|-------------------------|---------------------------------|-------------|-------------------------|----------|
| benzyl alcohol | LC50 Inhalation Dusts and mists | Rat - Male, | >4178 mg/m ³ | 4 hours |
| | | Female | | |
| | LD50 Dermal | Rabbit | 2000 mg/kg | - |
| | LD50 Oral | Rat | 1230 mg/kg | - |
| sodium chloride | LD50 Oral | Rat | 3000 mg/kg | - |
| sodium hydroxide | LD50 Oral | Rat | 325 mg/kg | - |
| acetic acid | LC50 Inhalation Vapor | Rat | 11000 mg/m ³ | 4 hours |
| | LD50 Dermal | Rabbit | 1060 mg/kg | - |
| | LD50 Oral | Rat | 3310 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|-------------------------|--------------------------|---------|-------|---------------|-------------|
| benzyl alcohol | Skin - Moderate irritant | Rabbit | - | 24 hours 100 | - |
| | | | | mg | |
| sodium chloride | Eyes - Moderate irritant | Rabbit | - | 10 mg | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 | - |
| | | | | mg | |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 | - |
| | | | | 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 | |
| acetic acid | Eyes - Mild irritant | Rabbit | - | 0.5 minutes 5 | - |
| | | | | mg | |
| | Skin - Mild irritant | Rabbit | - | 24 hours 50 | - |
| | | | | mg | |
| | Skin - Severe irritant | Rabbit | - | 525 mg | - |

Sensitization

Not available.

Mutagenicity

Conclusion/Summary

Conclusion/Summary

: Not available.

Carcinogenicity

: Not available.

Reproductive toxicity

Conclusion/Summary

: Not available.



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Section 11. Toxicological information

Teratogenicity

Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

| Name | Category | Route of exposure | Target organs |
|------------------|------------|-------------------|------------------------------|
| benzyl alcohol | 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

<u>Delayed and immediate effects and also chronic effects from short and long term exposure</u> Short term <u>exposure</u>



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Section 11. Toxicological information

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

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 : 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 | ck(| Oral (mg/ kg) | | Inhalation (gases) (ppm) | | Inhalation (dusts and mists) (mg/ I) |
| benzyl alcohol sodium chloride sodium hydroxide acetic acid | | 1230 3000 325 3310 | N/A N/A | N/A N/A N/A N/A | N/A N/A N/A 11 | 1.5 N/A N/A N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|-------------------------------------|---|----------|
| benzyl alcohol | Acute LC50 10 ppm Fresh water | Fish - Lepomis macrochirus | 96 hours |
| sodium chloride | Acute EC50 2430000 µg/l Fresh water | Algae - Navicula seminulum | 96 hours |
| | Acute EC50 519.6 mg/l Fresh water | Crustaceans - Cypris subglobosa | 48 hours |
| | Acute EC50 402.6 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute IC50 6.87 g/L Fresh water | Aquatic plants - Lemna minor | 96 hours |
| | Acute LC50 1000000 µg/l Fresh water | Fish - Morone saxatilis - Larvae | 96 hours |
| | Chronic LC10 781 mg/l Fresh water | Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) | 3 weeks |
| | Chronic NOEC 6 g/L Fresh water | Aquatic plants - Lemna minor | 96 hours |
| | Chronic NOEC 0.314 g/L Fresh water | Daphnia - <i>Daphnia pulex</i> | 21 days |
| | Chronic NOEC 100 mg/l Fresh water | Fish - Gambusia holbrooki - Adult | 8 weeks |
| sodium hydroxide | Acute EC50 40.38 mg/l Fresh water | Crustaceans - Ceriodaphnia dubia | 48 hours |



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Section 12. Ecological information

| | | - Neonate | |
|-------------|-----------------------------------|---------------------------------|----------|
| | Acute LC50 125 ppm Fresh water | Fish - Gambusia affinis - Adult | 96 hours |
| acetic acid | Acute EC50 73400 μg/l Fresh water | Algae - Navicula seminulum | 96 hours |
| | Acute EC50 65000 µg/l Fresh water | Daphnia - Daphnia magna - | 48 hours |
| | | Neonate | |
| | Acute LC50 32 mg/l Marine water | Crustaceans - Artemia salina | 48 hours |
| | Acute LC50 75000 µg/l Fresh water | Fish - Lepomis macrochirus | 96 hours |

Conclusion/Summary

: Not available.

Persistence and degradability

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

Bioaccumulative potential

| Product/ingredient name | LogPow | | BCF | Potential |
|-------------------------|--------|-------|------|-----------|
| water | -1.38 | | - | Low |
| benzyl alcohol | 0.87 | (.V) | - | Low |
| acetic acid | -0.17 | | 3.16 | Low |
| nitrogen | 0.67 | , X) | - | Low |

Mobility in soil

Soil/water partition coefficient (Koc)

: 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.



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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 | - | - 0, | - |
| 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 : Not available.

to IMO instruments

Section 15. Regulatory information

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

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

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

Clean Air Act Section 112

(b) Hazardous Air **Pollutants (HAPs)** : Not listed

Clean Air Act Section 602 Class I Substances

: Not listed

: Not listed

Clean Air Act Section 602 Class II Substances

: Not listed

DEA List I Chemicals (Precursor Chemicals)

DEA List II Chemicals (Essential Chemicals)

: Not listed

SARA 302/304

Composition/information on ingredients



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Section 15. Regulatory information

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 | <1 | FLAMMABLE LIQUIDS - Category 4 |
| | | ACUTE TOXICITY (oral) - Category 4 |
| | | ACUTE TOXICITY (dermal) - Category 4 |
| | | ACUTE TOXICITY (inhalation) - Category 4 |
| | | SKIN IRRITATION - Category 2 |
| | | EYE IRRITATION - Category 2A |
| | | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) |
| | | (Respiratory tract irritation) - Category 3 |
| sodium chloride | <1 | EYE IRRITATION - Category 2A |
| leuprorelin | ≤1 | TOXIC TO REPRODUCTION - Category 1B |
| sodium hydroxide | ≤0.3 | 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 |
| | | HNOC - Corrosive to digestive tract [severe] |
| acetic acid | ≤0.3 | 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] |
| | | HNOC - Corrosive to respiratory tract [severe] |
| nitrogen | ≤0.3 | GASES UNDER PRESSURE - Compressed gas |
| | | SIMPLE ASPHYXIANTS |

SARA 313

Not applicable.

State regulations

Massachusetts: None of the components are listed.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



Safety Data Sheet

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Section 15. Regulatory information

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.)



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 |
|-------------------------------------|--------------------|
| TOXIC TO REPRODUCTION - Category 1B | Calculation method |

History

Date of issue/Date of : 0

: 04/08/2024

revision

Date of previous issue : No previous validation

Version : 1.0



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Section 16. Other information

Prepared by

Key to abbreviations

: Sphera Solutions

: 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

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.