

Product Name: Refresh Optive (9689X)
Issued: Dec-06-2024

abbvie
SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: Refresh Optive (9689X)
Trade name: Refresh Optive (9689X)

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

Recommended use: Eye drops

1.3. Details of the supplier of the safety data sheet

Supplier: AbbVie Inc.
1 North Waukegan Road
North Chicago, IL 60064
USA
+1-847-932-7900

E-mail Address: AbbVie.SDS@abbvie.com

1.4. Emergency telephone number

Emergency Telephone: CHEMTREC: 1(800) 424-9300 (in USA and Canada)
or +1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Reproductive toxicity Category 1B

2.2. Label elements



Signal Word: Danger

Hazard Statements: H360F - May damage fertility

Precautionary Statements P203 - Obtain, read and follow all safety instructions before use.

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P280 - Wear protective gloves/protective clothing/eye protection/face protection
P318 - IF exposed or concerned, get medical advice
P405 - Store locked up
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards

Endocrine Disruptor Information None known

SECTION 3: Composition/information on ingredients

| Chemical Name | Weight-% | EINECS/ELINCS Number | EU - GHS Substance Classification | REACH Reg. No |
|---|----------|----------------------|---|-------------------|
| Water 7732-18-5 | 90-100 | Present | Not Hazardous* | No data available |
| Glycerin 56-81-5 | <1 | Present | Not Hazardous* | No data available |
| Boric Acid 10043-35-3 | <1 | Present | Repro Cat 1B (H360FD) | No data available |
| Carboxymethylcellulose Sodium 9004-32-4 | <1 | Present | Not Hazardous* | No data available |
| Levocarnitine 541-15-1 | <1 | Present | Not Hazardous* | No data available |
| Erythritol 149-32-6 | <1 | Present | Not Hazardous* | No data available |
| Sodium Borate Decahydrate 1303-96-4 | <1 | Present | Repr. 1B (H360FD) | No data available |
| Potassium Chloride 7447-40-7 | <1 | Present | Not Hazardous* | No data available |
| Sodium citrate dihydrate 6132-04-3 | <1 | 612-118-5 | Not Hazardous* | No data available |
| Chlorite 14998-27-7 | <0.05 | NA | Acute Tox oral Cat 4 (H302) Skin Irrit. 2 (H315) Eye Irr 2 (H319) | No data available |
| Magnesium Chloride Hexahydrate 7791-18-6 | <0.01 | NA | STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) | No data available |
| Calcium chloride, dihydrate 10035-04-8 | <0.01 | Present | Eye Irrit. 2 (H319) | No data available |

Not Hazardous* - Based on available data, not classified as hazardous according to the criteria of the Globally Harmonized System.

For the full text of the R-phrases mentioned in this Section, see Section 16
For the full text of the H-Statements mentioned in this Section, see Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye Contact: Remove from source of exposure. Flush with copious amounts of water. If

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irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Skin Contact: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Inhalation: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Ingestion: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Protection of First-aiders: Use personal protective equipment

4.2 Most important symptoms and effects, both acute and delayed

Signs and Symptoms None known from occupational exposure.

Medical Conditions May be Aggravated by Exposure None known from occupational exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Notes To Physician: Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire

Unsuitable Extinguishing Media: Not Determined

5.2. Special hazards arising from the substance or mixture

Special Exposure Hazards: Not Determined

5.3. Advice for firefighters

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus and full protective gear

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: For personal protection see section 8.

6.2. Environmental precautions

Environmental Precautions: Contain material and prevent release to waterways or soil.

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6.3. Methods and material for containment and cleaning up

Methods for Cleaning Up: Recover product and place in an appropriate container for disposal.

6.4. Reference to other sections

Refer to Sections 8, 12, and 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Store according to label instructions.

7.3. Specific end use(s)

Recommended use: Eye drops

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits:

| Chemical Name | AbbVie Employee Exposure Limit (OEL): | AbbVie PBLEC Category (OEB): | Skin Notation |
|---|---------------------------------------|----------------------------------|---------------|
| Water 7732-18-5 | Not Applicable | Not Determined | None |
| Glycerin 56-81-5 | Not applicable | Not Determined | None |
| Boric Acid 10043-35-3 | Not applicable | Not Determined | None |
| Carboxymethylcellulose Sodium 9004-32-4 | Not applicable | Not Determined | None |
| Levocarnitine 541-15-1 | Not applicable | Not Determined | None |
| Erythritol 149-32-6 | Not applicable | Not Determined | None |
| Sodium Borate Decahydrate 1303-96-4 | Not applicable | Not Determined | None |
| Potassium Chloride 7447-40-7 | 700 mcg/m ³ | Refer to Employee Exposure Limit | None |
| Sodium citrate dihydrate 6132-04-3 | Not applicable | Not Determined | None |
| Chlorite 14998-27-7 | Not applicable | Not Determined | None |
| Magnesium Chloride Hexahydrate 7791-18-6 | Not applicable | Not Determined | None |
| Calcium chloride, dihydrate 10035-04-8 | Not applicable | Not Determined | None |

| Chemical Name | ACGIH TLV | France | German MAK | Ireland | Italy |
|---------------------|-----------------------------------|---------------------------|---|---|-------|
| Glycerin 56-81-5 | 10 mg/m ³ (total mist) | TWA: 10 mg/m ³ | 200 mg/m ³ TWA 400 mg/m ³ Peak | 30mg/m ³ (STEL) 10mg/m ³ (TWA) | |
| Boric Acid | 6 mg/m ³ STEL | | 10 mg/m ³ TWA | | |

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| | | | | | |
|--|---|--------------------------|---------------------------|--|--|
| 10043-35-3 | 2 mg/m ³ TWA | | 10 mg/m ³ Peak | | |
| Carboxymethylcellulose Sodium 9004-32-4 | 10 mg/m ³ total dust; 3 mg/m ³ respirable dust | | | | |
| Sodium Borate Decahydrate 1303-96-4 | 6 mg/m ³ STEL 2 mg/m ³ TWA | TWA: 5 mg/m ³ | | 15 mg/m ³ (STEL) 5 mg/m ³ (TWA) | |

| Chemical Name | The Netherlands | Spain | Switzerland | UK OEL/MEL |
|--|-----------------|---|---|---|
| Glycerin 56-81-5 | | 10 mg/m ³ (TWA) | 50 mg/m ³ (TWA) 100 mg/m ³ (STEL) | 30 mg/m ³ (STEL) 10 mg/m ³ (TWA) |
| Boric Acid 10043-35-3 | | 6 mg/m ³ (STEL) 2 mg/m ³ (TWA) | 1.8 mg/m ³ (TWA) 1.8 mg/m ³ (STEL) | |
| Sodium Borate Decahydrate 1303-96-4 | | 6 mg/m ³ (STEL) 2 mg/m ³ (TWA) | 5 mg/m ³ (STEL) | 15 mg/m ³ (STEL) 5 mg/m ³ (TWA) |

8.2. Exposure controls

| | |
|---|---|
| Engineering Controls: | No special provisions are required under normal product use conditions. |
| Respiratory Protection: | An approved respirator (i.e. NIOSH, EN, etc.) should be worn when exposures are expected to exceed the applicable limits. |
| Eyes: | Wear eye protection appropriate to exposures when handling the product formulation. |
| Gloves: | Impervious gloves. |
| Other PPE Data: | Wear appropriate body coverings if contact may occur. |
| Environmental Exposure Controls: | Not Determined |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|----------------|
| Physical State: | Liquid |
| Appearance: | Opaque |
| Color | Colorless |
| Odor: | Not Determined |
| Melting/Freezing Point @ 760 mmHg (°C): | Not Determined |
| Boiling Pt. @ 760 mm Hg (°C): | Not Determined |
| Flammability Limit in Air | Not Determined |
| upper flammability limit | |
| lower flammability limit | |
| Flash Point (°C): | Not Determined |
| Autoignition Temp. (°C): | Not Determined |
| pH: | Neutral |
| Kinematic viscosity | Not Determined |
| Solubility(ies): | Not Determined |
| Partition coefficient: n-octanol/water | Not Determined |
| Vapor Pressure (@ 760 mm Hg): | Not Determined |
| Density, g / mL: | Not Determined |

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Vapor Density (Air = 1): Not Determined

Bulk Density at 20°C: Not Determined

Particle characteristics

Particle Size

Particle Size Distribution

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Not Determined

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

Hazardous reactions: Not Determined

10.4. Conditions to avoid

Not Determined

10.5. Incompatible materials

Not Determined

10.6. Hazardous decomposition products

Not Determined

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Routes of Exposure:

Oral: Yes
Dermal: Yes
Inhalation: Unlikely

Acute Toxicity - Oral: Data for component (s) given below:

| Chemical Name | Acute Test | Value | Units | Species |
|--------------------------|------------|----------------------|-------------------------|----------------------|
| Water 7732-18-5 | LD50 = | 90,000 | mg/kg | Rats |
| Glycerin 56-81-5 | LD50 = | 4090 12600 | mg/kg | Mice Rats |
| Boric Acid 10043-35-3 | LD50 = | 3160 3450 2000 | mg/kg mg/kg mg/kg | Rats Mice Dogs |

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| | | | | |
|---|------------------|----------------|-------|-----------------------------|
| Carboxymethylcellulose Sodium 9004-32-4 | LD50 = | 19000 27000 | mg/kg | Guinea Pigs Mice Rabbits |
| Levocarnitine 541-15-1 | NOAEL = | 1350 1200 | mg/kg | Rats Dogs |
| Erythritol 149-32-6 | LD50 > NOEL = | 5,000 500 | mg/kg | Dogs Humans |
| Sodium Borate Decahydrate 1303-96-4 | LD50 = | 2600 - 6080 | | Animals |
| Potassium Chloride 7447-40-7 | LD50 = | 1500-2600 | mg/kg | Rats Guinea Pigs Mice |
| Sodium citrate dihydrate 6132-04-3 | LD50 = | 5400 | mg/kg | Mice |
| Magnesium Chloride Hexahydrate 7791-18-6 | LD50 = | 8100 | mg/kg | Rats |
| Calcium chloride, dihydrate 10035-04-8 | LD50 = | 1000-1940 | mg/kg | Rats Mice Rabbits |

Acute Toxicity - Dermal: Data for component (s) given below:

| Chemical Name | Acute Test | Value | Units | Species |
|--|------------|-----------------|-------|------------------------|
| Glycerin 56-81-5 | LD50 > | 10000 56,750 | mg/kg | Rabbits Guinea Pigs |
| Boric Acid 10043-35-3 | LD50 > | 2000 | mg/kg | Rabbits |
| Carboxymethylcellulose Sodium 9004-32-4 | LD50 > | 2000 | mg/kg | Rabbits |
| Sodium citrate dihydrate 6132-04-3 | LD50 > | 2000 | mg/kg | Rats |
| Calcium chloride, dihydrate 10035-04-8 | LD50 > | 5000 | mg/kg | Rabbits |

Acute Toxicity - Inhalation: Data for component (s) given below:

| Chemical Name | Test | Value | Units | Species |
|--|---------|-------------------------|-------------------------------|---------|
| Glycerin 56-81-5 | LC 50 > | 0.57 5,850 (aerosol) | mg/L , 1 hour mg/L, 4 hour | Rats |
| Boric Acid 10043-35-3 | LC 50 > | 2.03 | mg/L | Rats |
| Carboxymethylcellulose Sodium 9004-32-4 | LC 50 > | 5800 | mg | Rats |

Other Toxicology Data: Data for component (s) given below:

| Chemical Name | Test Type | Value | Units | Species | Comments |
|--------------------------|---|------------------------------|-----------|------------------------------|----------|
| Glycerin 56-81-5 | LLNA | Negative | | Mice | |
| Boric Acid 10043-35-3 | LD Lo (ip) = LD Lo (sc) = LD50 (iv) = | 1000 2070 1750 1330 | mg/kg | Dogs Mice Mice Rats | None |
| Erythritol 149-32-6 | NOAEL (iv) = | 1,000 | mg/kg/day | Rats | |
| Chlorite | LD50 (iv) = | 113 | mg/kg | Rats | |

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|------------|--|--|--|--|--|
| 14998-27-7 | | | | | |
|------------|--|--|--|--|--|

Corrosivity: Not Determined

Dermal Irritation: Not Determined

Eye irritation: Not Determined

Sensitization: Not Determined

Toxicokinetics/Metabolism: Not Determined

Target Organ Effects: Not Determined

Reproductive Effects: Data for component (s) given below:

| Chemical Name | Species | Dosage | Units | Route | Duration |
|--------------------------|---------|--------|-------|-------|--|
| Boric Acid 10043-35-3 | Rats | 76 | mg/kg | Oral | Parent Generation First Offspring Generation |

Carcinogenicity: Not Determined

Mutagenicity: Data for component (s) given below:

| Chemical Name | Micronucleus Assay | Ames Test: | Mouse Lymphoma Assay | Chromosomal Abbr. Assay |
|---------------------------------------|-----------------------------|------------|----------------------|-------------------------|
| Glycerin 56-81-5 | No Data. | Negative | No Data. | Negative |
| Boric Acid 10043-35-3 | Negative | Negative | Negative | Negative |
| Sodium citrate dihydrate 6132-04-3 | Positive without activation | Negative | | Negative |

Aspiration hazard: Not Determined

Notes:

1. ALD: Approximate lethal dosage
2. LC50: Concentration in air that produces 50% mortality
3. LD50: Oral or dermal dosage that produces 50% mortality

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties None known

11.2.2. Other information

SECTION 12: Ecological information

12.1. Toxicity

Data for component (s) given below:

| Chemical Name | Weight-% | LC50 (mg/l) | LC50 (Algae - mg/l) | Species | Duration |
|---------------------|----------|-------------|---------------------|--------------------------------|----------------------|
| Glycerin 56-81-5 | <1 | 1955 885 | | Daphnia magna Rainbow Trout | 48 Hours 96 Hours |

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| | | | | | |
|--------------------------|----|-----|--|-------------------|----------|
| Boric Acid 10043-35-3 | <1 | 570 | | Carassius auratus | 72 Hours |
|--------------------------|----|-----|--|-------------------|----------|

| Chemical Name | Weight-% | EC50 (Algae - mg/l) | Species | Duration |
|---------------------------------|----------|---------------------|------------------------------|------------|
| Glycerin 56-81-5 | <1 | 2900 | Microcystis aeruginosa | 8 days |
| Boric Acid 10043-35-3 | <1 | 52.5 | Selenastrum Capricornutum | 74.5 hours |
| Potassium Chloride 7447-40-7 | <1 | 2500 | Desmodesmus subspicatus | 72 Hours |

| Chemical Name | Weight-% | EC50 (Daphnia - mg/l) | Species | Duration |
|---------------------------------|----------|-----------------------|---------------|----------|
| Glycerin 56-81-5 | <1 | LC50 = 1955 | Daphnia magna | 48 Hours |
| Boric Acid 10043-35-3 | <1 | 115 | Daphnia magna | 48 Hours |
| Potassium Chloride 7447-40-7 | <1 | 83 825 | Daphnia magna | 48 Hours |

| Chemical Name | Weight-% | Acute Invertebrate Toxicity (EC50- mg/l) | Species | Duration |
|---------------------------------|----------|--|---------------|----------|
| Glycerin 56-81-5 | <1 | LC50 = 1955 | Daphnia magna | 48 Hours |
| Boric Acid 10043-35-3 | <1 | 115 | Daphnia magna | 48 Hours |
| Potassium Chloride 7447-40-7 | <1 | 83 825 | Daphnia magna | 48 Hours |

| Chemical Name | Weight-% | LC50 (mg/l) | Species | Duration |
|--------------------------|----------|-------------|--------------------------------|----------------------|
| Glycerin 56-81-5 | <1 | 1955 885 | Daphnia magna Rainbow Trout | 48 Hours 96 Hours |
| Boric Acid 10043-35-3 | <1 | 570 | Carassius auratus | 72 Hours |

| Chemical Name | Weight-% | Acute Fish Toxicity (EC50- mg/l) | Species | Duration |
|---------------------------------|----------|----------------------------------|---------|----------|
| Glycerin 56-81-5 | <1 | NA | | 48 Hours |
| Boric Acid 10043-35-3 | <1 | NA | | 48 Hours |
| Potassium Chloride 7447-40-7 | <1 | NA | | 48 Hours |

| Chemical Name | Weight-% | NOEC (Daphnia - mg/l) | Species | Duration |
|---------------------|----------|-----------------------|---|-----------------|
| Glycerin 56-81-5 | <1 | >100 800 | Freshwater Invertebrates Ceriodaphnia dubia | QSAR 21 days |

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| Chemical Name | Weight-% | Chronic Invertebrate Toxicity (NOEC - mg/l) | Species | Duration |
|---------------------|----------|---|---|-----------------|
| Glycerin 56-81-5 | <1 | >100 800 | Freshwater Invertebrates Ceriodaphnia dubia | QSAR 21 days |

| Chemical Name | Weight-% | Fish Early Life Stage NOEC (mg/L) | Species | Duration |
|---------------------|----------|-----------------------------------|---------|----------|
| Glycerin 56-81-5 | <1 | >100 | QSAR | -- |

| Chemical Name | Weight-% | Chronic Fish Toxicity (NOEC - mg/l) | Species | Duration |
|---------------------|----------|-------------------------------------|---------|----------|
| Glycerin 56-81-5 | <1 | > 100 | QSAR | -- |

| Chemical Name | Weight-% | ASRIT | Value | Duration |
|---------------------|----------|--------------------|------------|----------|
| Glycerin 56-81-5 | <1 | EC10 / NOEC / EC50 | 10000 mg/L | 16 hour |

12.2. Persistence and degradability

Not Determined

12.3. Bioaccumulative potential

Data for components given below.

| Chemical Name | Weight-% | Log Po/w |
|---------------------|----------|----------|
| Glycerin 56-81-5 | <1 | -1.75 |

12.4. Mobility in soil

Not Determined

12.5. Results of PBT and vPvB assessment

Chemical safety assessment has not been conducted on the substance/product.

12.6. Endocrine disrupting properties

Endocrine disrupting properties None known

12.7. Other adverse effects

Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.

Notes:

1. EC50: Concentration in water that produces 50% mortality in Daphnia sp.
2. LC50: Concentration in water that produces 50% mortality in fish.
3. EbC50/ErC50: Concentration in water that produces 50% inhibition of growth and in algae.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Waste Disposal Methods: Disposal should be made in accordance with country, federal, state and local regulations.

SECTION 14: Transport information

ADN, ADR, DOT, ICAO/IATA, IMDG/IMO, TDG

Status: Not-Regulated for Transportation

14.1. UN number: Not applicable
14.2. Proper shipping name: Not applicable
14.3. Hazard class: Not applicable
14.4. Packing group: Not applicable
14.5. Environmental hazard: Not applicable
14.6. Special provisions: Not applicable
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

| Chemical Name | EINECS/ ELINCS | TSCA | DSL | NDSL | PICCS |
|---|----------------|------|-----|------------|-------|
| Water 7732-18-5 | Present | X | X | Not listed | X |
| Glycerin 56-81-5 | Present | X | X | Not listed | X |
| Boric Acid 10043-35-3 | Present | X | X | Not listed | X |
| Carboxymethylcellulose Sodium 9004-32-4 | Present | X | X | Not listed | X |
| Levocarnitine 541-15-1 | Present | - | - | Not listed | X |
| Erythritol 149-32-6 | Present | X | X | Not listed | X |
| Sodium Borate Decahydrate 1303-96-4 | - | X | X | Not listed | X |
| Potassium Chloride 7447-40-7 | Present | X | X | Not listed | X |
| Sodium citrate dihydrate 6132-04-3 | - | - | - | Not listed | X |
| Chlorite 14998-27-7 | - | - | - | Not listed | X |
| Magnesium Chloride Hexahydrate 7791-18-6 | - | - | - | Not listed | X |
| Calcium chloride, dihydrate 10035-04-8 | Present | - | - | Not listed | X |

| Chemical Name | ENCS | ISHL | IECSC | AICS | KECL | New Zealand |
|---------------|------|------|-------|------|------|-------------|
|---------------|------|------|-------|------|------|-------------|

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|---|---------|---------|---|---|---------|-----------|
| Water 7732-18-5 | - | - | X | X | Present | |
| Glycerin 56-81-5 | Present | Present | X | X | Present | |
| Boric Acid 10043-35-3 | Present | Present | X | X | Present | HSR002995 |
| Carboxymethylcellulose Sodium 9004-32-4 | Present | Present | X | X | Present | HSR003136 |
| Levocarnitine 541-15-1 | Present | Present | X | X | - | HSR004006 |
| Erythritol 149-32-6 | Present | Present | X | X | Present | |
| Sodium Borate Decahydrate 1303-96-4 | Present | Present | X | X | Present | HSR002914 |
| Potassium Chloride 7447-40-7 | Present | Present | X | X | Present | HSR003261 |
| Sodium citrate dihydrate 6132-04-3 | Present | - | X | X | - | |
| Chlorite 14998-27-7 | - | - | X | - | - | |
| Magnesium Chloride Hexahydrate 7791-18-6 | Present | Present | X | X | - | |
| Calcium chloride, dihydrate 10035-04-8 | Present | Present | X | X | - | HSR003217 |

Legend

- EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- ISHL** - Japan Industrial Safety and Health Law
- IECSC** - China Inventory of Existing Chemical Substances
- AICS** - Australian Inventory of Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances

Carcinogenicity Rating:

| Chemical Name | Weight-% | NTP: | IARC: | ACGIH: |
|--------------------------------|----------|------------|------------|--|
| Water | 90-100 | Not listed | Not listed | Not listed |
| Glycerin | <1 | Not listed | Not listed | Not listed |
| Boric Acid | <1 | Not listed | Not listed | A4 - Not Classifiable as a Human Carcinogen (listed under Borate compounds, inorganic) |
| Carboxymethylcellulose Sodium | <1 | Not listed | Not listed | Not listed |
| Levocarnitine | <1 | Not listed | Not listed | Not listed |
| Erythritol | <1 | Not listed | Not listed | Not listed |
| Sodium Borate Decahydrate | <1 | Not listed | Not listed | A4 - Not Classifiable as a Human Carcinogen (listed under Borate compounds, inorganic) |
| Potassium Chloride | <1 | Not listed | Not listed | Not listed |
| Sodium citrate dihydrate | <1 | Not listed | Not listed | Not listed |
| Chlorite | <0.05 | Not listed | Not listed | Not listed |
| Magnesium Chloride Hexahydrate | <0.01 | Not listed | Not listed | Not listed |
| Calcium chloride, dihydrate | <0.01 | Not listed | Not listed | Not listed |

SARA 313 Information

| Chemical Name | Weight-% | SARA 313 Chemical: | CERCLA RQ/SARA EHS RQ (lbs): | SARA EHS TPQ (lbs): |
|---------------|----------|--------------------|------------------------------|---------------------|
| Water | 90-100 | No | Not applicable | Not applicable |
| Glycerin | <1 | No | Not applicable | Not applicable |
| Boric Acid | <1 | No | Not applicable | Not applicable |

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|--------------------------------|-------|----|----------------|----------------|
| Carboxymethylcellulose Sodium | <1 | No | Not applicable | Not applicable |
| Levocarnitine | <1 | No | Not applicable | Not applicable |
| Erythritol | <1 | No | Not applicable | Not applicable |
| Sodium Borate Decahydrate | <1 | No | Not applicable | Not applicable |
| Potassium Chloride | <1 | No | Not applicable | Not applicable |
| Sodium citrate dihydrate | <1 | No | Not applicable | Not applicable |
| Chlorite | <0.05 | No | Not applicable | Not applicable |
| Magnesium Chloride Hexahydrate | <0.01 | No | Not applicable | Not applicable |
| Calcium chloride, dihydrate | <0.01 | No | Not applicable | Not applicable |

RCRA Status: Not Determined

Proposition 65 Status: Does not contain chemicals known to the state of California to cause cancer or reproductive harm.

WHMIS Hazard Class Not Hazardous Rated (N)

- Notes:**
1. SARA = Superfund Amendments and the Reauthorization Act.
 2. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act.
 3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act.
 4. TSCA = Toxic Substances Control Act.
 5. EC = European Community.
 6. WHMIS = Canadian Workplace Hazardous Materials Information System.
 7. UN GHS = United Nations Globally Harmonized System for Hazard Identification.

15.2. Chemical safety assessment

Chemical safety assessment has not been conducted on the substance/product.

SECTION 16: Other information

Document Authored By: Genetic, Environmental and Occupational Toxicology (GEOTox)

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