SAFETY DATA SHEETS

This SDS packet was issued with item: 070447516

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070441576 070850081



Safety Data Sheet

| .1. Product identifier | substance/mixture and of the company/undertaking |
|--|---|
| Product name | : 0.12% Chlorhexidine Gluconate Oral Rinse |
| 1.2. Relevant identified uses of the s | substance or mixture and uses advised against |
| Use of the substance/mixture | : Pharmaceutical Agent |
| | |
| | lery data sheet |
| Patterson Dental Supply, Inc 1031 Mendota Heights Road, Saint Paul. MN 55120 | |
| 1.4. Emergency telephone number | |
| Emergency number | 1-800-361-2862 |
| | |
| SECTION 2: Hazards identification | |
| 2.1. Classification of the substance of | or mixture |
| Classification (GHS-US) | |
| Carc. 1A H350 | |
| | |
| 2.2. Label elements | |
| GHS-US labeling | |
| Hazard pictograms (GHS-US) | |
| | |
| | |
| | GHS08 |
| Signal word (GHS-US) | : Danger |
| Hazard statements (GHS-US) | : H350 - May cause cancer |
| Precautionary statements (GHS-US) | : 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/eye protection/face protection |
| | P308 + P313 - If exposed or concerned: Get medical advice/attention |
| | P405 - Store locked up |
| | P501 - Dispose of contents/container in accordance with local/regional/national/internation regulations. |
| | |
| | |
| 2.3. Other hazards | |
| | |
| lo additional information available .4. Unknown acute toxicity (GHS-US | 5) |
| lo additional information available .4. Unknown acute toxicity (GHS-US | S) |
| No additional information available 2.4. Unknown acute toxicity (GHS-US No data available | |
| No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/informat | |
| No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/information 1. Substance | |
| lo additional information available A. Unknown acute toxicity (GHS-US lo data available ECTION 3: Composition/informat 1. Substance lot applicable | |
| lo additional information available A. Unknown acute toxicity (GHS-US lo data available SECTION 3: Composition/informat A. Substance lot applicable 2. Mixture | ation on ingredients |
| No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/information A.1. Substance Not applicable A.2. Mixture Name | ation on ingredients |
| lo additional information available .4. Unknown acute toxicity (GHS-US lo data available SECTION 3: Composition/informat .1. Substance lot applicable .2. Mixture Name Water | Ation on ingredients Product identifier % Classification (GHS-US) (CAS No) 7732-18-5 Trade Secret Not classified |
| No additional information available 2.4. Unknown acute toxicity (GHS-US No data available 3.5. Composition/informat 3.1. Substance Not applicable 3.2. Mixture Name Water Ethyl alcohol | Ation on ingredients Product identifier % Classification (GHS-US) (CAS No) 7732-18-5 Trade Secret Not classified (CAS No) 64-17-5 Trade Secret Flam. Liq. 2, H225 Carc. 1A, H350 |
| No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/informat 8.1. Substance Not applicable 8.2. Mixture Name Water Ethyl alcohol Glycerin | Ation on ingredients Product identifier % Classification (GHS-US) (CAS No) 7732-18-5 Trade Secret Not classified (CAS No) 64-17-5 Trade Secret Flam. Liq. 2, H225 Carc. 1A, H350 (CAS No) 56-81-5 Trade Secret Not classified |
| Ao additional information available A. Unknown acute toxicity (GHS-US Ao data available BECTION 3: Composition/informat A.1. Substance Iot applicable A.2. Mixture Name Water Ethyl alcohol Glycerin Chlorhexidine digluconate | Product identifier % Classification (GHS-US) (CAS No) 7732-18-5 Trade Secret Not classified (CAS No) 64-17-5 Trade Secret Flam. Lig. 2, H225 (CAS No) 56-81-5 Trade Secret Not classified (CAS No) 56-81-5 Trade Secret Not classified (CAS No) 18472-51-0 Trade Secret Acute Tox. 4 (Oral), H302 |
| Ao additional information available A. Unknown acute toxicity (GHS-US Ao data available BECTION 3: Composition/informat A. Substance Aot applicable A. Mixture Name Water Ethyl alcohol Glycerin Chlorhexidine digluconate Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanedi | Product identifier % Classification (GHS-US) (CAS No) 7732-18-5 Trade Secret Not classified (CAS No) 64-17-5 Trade Secret Flam. Lig. 2, H225 (CAS No) 56-81-5 Trade Secret Not classified (CAS No) 56-81-5 Trade Secret Not classified (CAS No) 18472-51-0 Trade Secret Acute Tox. 4 (Oral), H302 |
| No additional information available 2.4. Unknown acute toxicity (GHS-US No data available SECTION 3: Composition/informat a.1. Substance Not applicable a.2. Mixture Name Water Ethyl alcohol Glycerin | Product identifier % Classification (GHS-US) (CAS No) 7732-18-5 Trade Secret Not classified (CAS No) 64-17-5 Trade Secret Flam. Lig. 2, H225 (CAS No) 56-81-5 Trade Secret Not classified (CAS No) 56-81-5 Trade Secret Not classified (CAS No) 18472-51-0 Trade Secret Acute Tox. 4 (Oral), H302 |

Safety Data Sheet

| SECTION 4: First aid measures | |
|---|---|
| 4.1. Description of first aid measures | |
| First-aid measures after inhalation | No specific first aid necessary for this route of exposure. |
| First-aid measures after skin contact | : Wash with soap and water. Seek medical advice if skin irritation develops or persists. |
| First-aid measures after eye contact | : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention. |
| First-aid measures after ingestion | : Seek medical attention. |
| 4.2. Most important symptoms and effe | cts, both acute and delayed |
| Symptoms/injuries after inhalation | : None under normal use. |
| Symptoms/injuries after skin contact | : None under normal use. |
| Symptoms/injuries after eye contact | May produce transient eye irritation. |
| Symptoms/injuries after ingestion | : Ingestion of large amounts may produce signs of alcohol intoxication. |
| 4.3. Indication of any immediate medica | al attention and special treatment needed |
| No additional information available | |
| SECTION 5: Firefighting measures | |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Use water spray, dry chemical, alcohol foam or CO2 |
| Unsuitable extinguishing media | : None. |
| 5.2. Special hazards arising from the su | ibstance or mixture |
| Fire hazard | : None known. |
| Explosion hazard | None known. |
| 5.3. Advice for firefighters | |
| Protection during firefighting | Firefighters should wear full protective gear. |
| | |
| SECTION 6: Accidental release mea | |
| | uipment and emergency procedures |
| 6.1.1. For non-emergency personnel No additional information available | |
| 6.1.2. For emergency responders | |
| No additional information available | |
| 6.2. Environmental precautions | |
| Avoid release to the environment. | |
| 6.3. Methods and material for containme | ant and cleaning up |
| For containment | Stop the flow of material, if this is without risk. |
| Methods for cleaning up | Dilute with water. Keep away from ignition sources. Perform waste disposal in compliance with all applicable regulations. Flush down sewer with large quantities of water. |
| 6.4. Reference to other sections | |
| No additional information available | |
| SECTION 7: Handling and storage | |
| 7.1. Precautions for safe handling | |
| Precautions for safe handling | : Avoid contact with eyes. Wash thoroughly after handling. |
| 7.2. Conditions for safe storage, includin | ng any incompatibilities |
| Storage conditions | Handling/storage area must be well ventilated, cool and dry. Materials must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times. |
| 7.3. Specific end use(s) | |
| Pharmaceutical Agent | |
| un en | |

Safety Data Sheet

| 8.1. Control parameters | | |
|--|------------------------------------|-----------------------------------|
| Ethyl alcohol (64-17-5) | | |
| | CGIH STEL (ppm) | 1000 ppm |
| | SHA PEL (TWA) (mg/m ³) | 1900 mg/m ³ |
| | SHA PEL (TWA) (ppm) | 1000 ppm |
| | | |
| Glycerin (56-81-5) | | |
| USA OSHA C | SHA PEL (TWA) (mg/m ³) | 5 mg/m ³ |
| 8.2. Exposure controls | | |
| Appropriate engineering controls | : None required under no | rmal product handling conditions. |
| Hand protection | : None required under no | rmal product handling conditions. |
| Eye protection | None required under no | rmal product handling conditions. |
| Skin and body protection | Wear suitable working c | |
| Respiratory protection | None required under no | rmal product handling conditions. |
| SECTION 9: Physical and | chemical properties | |
| the state of the s | vsical and chemical properties | |
| Physical state | : Liquid | |
| Color | Clear Blue | |
| Odor | : Minty | |
| Odor threshold | No data available | |
| oH | : No data available | |
| Relative evaporation rate (butyl ace | | |
| Melting point | : No data available | |
| | : No data available | |
| Freezing point | | |
| Boiling point | No data available | |
| Flash point | : > 200 °F | |
| Auto-ignition temperature | : No data available | |
| Decomposition temperature | : No data available | |
| Flammability (solid, gas) | : No data available | |
| Vapor pressure | : 721 mm Hg | |
| Relative vapor density at 20 °C | : No data available | |
| Specific gravity | : 1.0 | |
| Solubility | : Water: | |
| _og Pow | : No data available | |
| Log Kow | : No data available | |
| /iscosity, kinematic | : No data available | |
| /iscosity, dynamic | : No data available | |
| Explosive properties | : No data available | |
| Dxidizing properties | : No data available | |
| Explosive limits | : No data available | |
| 9.2. Other information | | |
| No additional information available | | |
| SECTION 10: Stability and | reactivity | |
| 10.1. Reactivity | | |
| No additional information available | | |
| 0.2. Chemical stability | | |
| he product is stable at normal hand | lling and storage conditions | |

The product is stable at normal handling and storage conditions.

Safety Data Sheet

| 10.2 Receively of herendous resetions | |
|--|--|
| 10.3. Possibility of hazardous reactions Will not occur. | |
| 10.4. Conditions to avoid | |
| | void prolonged exposure to elevated temperatures. Maintain at or below 77°F and above 32°F. |
| 10.5. Incompatible materials | |
| None. | |
| | |
| 10.6. Hazardous decomposition products Not determined. | |
| | |
| SECTION 11: Toxicological informat 11.1. Information on toxicological effects | ION |
| This mornation on taxicological enotes | |
| Acute toxicity | : Not classified |
| Ethyl alcohol (64-17-5) | |
| LC50 inhalation rat (mg/l) | 124.7 mg/l/4h |
| ATE US (oral) | 7060.0000000 mg/kg |
| Glycerin (56-81-5) | |
| LD50 dermal rabbit | > 10 g/kg |
| LC50 inhalation rat (mg/l) | > 570 mg/m ³ (Exposure time: 1 h) |
| ATE US (oral) | 12600.0000000 mg/kg |
| Chlorhexidine digluconate (18472-51-0) | |
| ATE US (oral) | 500.0000000 mg/kg |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | : May cause cancer. |
| Ethyl alcohol (64-17-5) | |
| IARC group | 1 - Carcinogenic to humans |
| Sodium saccharin (128-44-9) | |
| IARC group | 3 - Not classifiable |
| C.I. Acid Blue 9, disodium salt (3844-45-9) | |
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| | |
| Specific target organ toxicity (repeated | : Not classified |
| exposure) | - |
| Aspiration hazard | : Not classified |
| SECTION 12: Ecological information | |
| I2.1. Toxicity | |
| | |
| Ethyl alcohol (64-17-5) | 12.0 - 16.0 ml/ (Exposure time: 06 b - Species: Operativeshue mukies (statial) |
| LC50 fish 1 EC50 Daphnia 1 | 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 2 | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| | |
| Glycerin (56-81-5) | E1 E7 ml/ (Eveney ve time: 06 h. Secology Opportunative multice (statis)) |
| LC50 fish 1 | 51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |

Rev.00

Safety Data Sheet

| Sodium saccharin (128 | | | | | |
|--|--|--|---|--|---|
| LC50 fish 1 | | 16400 - | 20400 mg/l (Exposure time: | 96 h - Species: Pimephales promel | as [static]) |
| 12.2. Persistence an | d dogradability | | in which | | |
| No additional information a | | | | | |
| 2.3. Bioaccumulativ | a notestal | | | | |
| 2.3. Bioaccumulativ | | | | | |
| Ethyl alcohol (64-17-5) | | | | | |
| Log Pow | | -0.32 | | | |
| Glycerin (56-81-5) | | | | | |
| BCF fish 1 | | (no bioa | ccumulation) | | |
| Log Pow | | -1.76 | | | |
| Sodium saccharin (128 | -44-9) | | | | |
| Log Pow | | 0.91 | | | |
| 2.4. Mobility in soil | | | | | |
| No additional information a | vailable | | | | |
| | | | | | |
| 2.5. Other adverse of | | . New Yo | Hanal Information | | |
| ffect on ozone layer | | : No addi | tional information available | | |
| ffect on the global warmin | ng | : No know | wn ecological damage caused | by this product. | |
| | | | | | |
| ECTION 13: Dispos | sal considerations | 5 | | | |
| 3.1. Waste treatmen | | | | | |
| Vaste disposal recommen | dations | : Dispose | of contents/container in acco | ordance with local/regional/national | /international regulations. |
| ECTION 14: Transp | port information | | | | |
| accordance with DOT | | | | | |
| | | | | | |
| | defined in transport regu | lations | | | |
| lot a dangerous good as o | | lations | | | |
| lot a dangerous good as o ECTION 15: Regula | atory information | lations | | | |
| lot a dangerous good as o ECTION 15: Regula 5.1. US Federal regulation | atory information | lations | | | |
| lot a dangerous good as o SECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) | atory information | | | | |
| lot a dangerous good as o SECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State | atory information ons es TSCA (Toxic Substar | nces Contr | | r that is a polyceter and is made a | |
| lot a dangerous good as o SECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State | atory information ons es TSCA (Toxic Substar | nces Contr Y2 - Y2 | - indicates an exempt polyme | er that is a polyester and is made or zern reactants that comprises one c | nly from reactants |
| lot a dangerous good as o ECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State | atory information ons es TSCA (Toxic Substar | nces Contr Y2 - Y2 included | - indicates an exempt polyme | er that is a polyester and is made or perm reactants that comprises one o | nly from reactants of the eligibility criteria |
| lot a dangerous good as o ECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI | atory information ons es TSCA (Toxic Substar ag | nces Contr Y2 - Y2 included | - indicates an exempt polyme in a specified list of low cond | er that is a polyester and is made or pern reactants that comprises one o | nly from reactants of the eligibility criteria |
| tot a dangerous good as of ECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation | atory information ons es TSCA (Toxic Substar ag | nces Contr Y2 - Y2 included | - indicates an exempt polyme in a specified list of low cond | er that is a polyester and is made or ern reactants that comprises one o | nly from reactants of the eligibility criteria |
| lot a dangerous good as of ECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) U.S California - | atory information ons as TSCA (Toxic Substar ag U.S California - | nces Contr Y2 - Y2 included | - indicates an exempt polyme i in a specified list of low cond exemption rule. U.S California - | ern reactants that comprises one of U.S California - | of the eligibility criteria |
| Not a dangerous good as of SECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory Fl 5.2. US State regulation State and the state regulation State and the state regulation State and the state and the state and the state State and the state and the state and the state State and the state and the state and the state and the state State and the state | atory information ons es TSCA (Toxic Substar ag U.S California - Proposition 65 - | nces Contr Y2 - Y2 included for the e | Indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - | U.S California - Proposition 65 - | of the eligibility criteria |
| lot a dangerous good as of ECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) I.S California - roposition 65 - | atory information ons as TSCA (Toxic Substar ag U.S California - | nces Contr Y2 - Y2 included for the e | - indicates an exempt polyme i in a specified list of low cond exemption rule. U.S California - | ern reactants that comprises one of U.S California - | of the eligibility criteria |
| tot a dangerous good as of ECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) S California - roposition 65 - arcinogens List | atory information ons es TSCA (Toxic Substar ag U.S California - Proposition 65 - | nces Contr Y2 - Y2 included for the e | Indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - | U.S California - Proposition 65 - | of the eligibility criteria |
| lot a dangerous good as of SECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) I.S California - roposition 65 - carcinogens List es | u.S California - Proposition 65 - Developmental Tox | nces Contr Y2 - Y2 included for the e | Indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - | U.S California - Proposition 65 - | of the eligibility criteria |
| lot a dangerous good as of ECTION 15: Regulations 5.1. US Federal regulations Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulations thyl alcohol (64-17-5) .S California - roposition 65 - arcinogens List es thyl alcohol (64-17-5) | atory information ons es TSCA (Toxic Substan ag U.S California - Proposition 65 - Developmental Tox Yes | nces Contr Y2 - Y2 included for the e | Indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - | U.S California - Proposition 65 - | of the eligibility criteria |
| tot a dangerous good as of ECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) .S California - roposition 65 - arcinogens List es thyl alcohol (64-17-5) .S Massachusetts - Rig | atory information ons es TSCA (Toxic Substar ag U.S California - Proposition 65 - Developmental Tox Yes ht To Know List | nces Contr Y2 - Y2 included for the e | Indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - | U.S California - Proposition 65 - | of the eligibility criteria |
| lot a dangerous good as of ECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) .S California - roposition 65 - arcinogens List es thyl alcohol (64-17-5) .S Massachusetts - Rig .S Minnesota - Hazardo | atory information ons es TSCA (Toxic Substar ag U.S California - Proposition 65 - Developmental Tox Yes ht To Know List ous Substance List | rces Contr Y2 - Y2 included for the e | - indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - | of the eligibility criteria |
| tot a dangerous good as of ECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory Fl 5.2. US State regulation thyl alcohol (64-17-5) S California - roposition 65 - arcinogens List es thyl alcohol (64-17-5) S Massachusetts - Rig S Minnesota - Hazardo S New Jersey - Right to | atory information ons es TSCA (Toxic Substar ag U.S California - Proposition 65 - Developmental Tox Yes ht To Know List ous Substance List o Know Hazardous Subs | rces Contr Y2 - Y2 included for the e | - indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - | of the eligibility criteria |
| lot a dangerous good as of ECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) .S California - roposition 65 - arcinogens List es thyl alcohol (64-17-5) .S Massachusetts - Rig. S Minnesota - Hazardo .S New Jersey - Right to .S Pennsylvania - RTK | atory information ons es TSCA (Toxic Substar ag U.S California - Proposition 65 - Developmental Tox Yes ht To Know List ous Substance List o Know Hazardous Subs | rces Contr Y2 - Y2 included for the e | - indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - | of the eligibility criteria |
| Not a dangerous good as of SECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory Fl 5.2. US State regulation 5.2. US State regulatory Fl 5.2. US State regulatory Fl 5.3. Hold State regulatory Fl 5.3. | atory information ons es TSCA (Toxic Substar ag U.S California - Proposition 65 - Developmental Tox Yes ht To Know List ous Substance List o Know Hazardous Subs (Right to Know) List | rces Contr Y2 - Y2 included for the e | - indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - | of the eligibility criteria |
| lot a dangerous good as of SECTION 15: Regulation 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation State regulation S California - troposition 65 - carcinogens List (es (thyl alcohol (64-17-5) S California - troposition 65 - carcinogens List (es (thyl alcohol (64-17-5) S Massachusetts - Rig S Minnesota - Hazardo S New Jersey - Right to S Pennsylvania - RTK (silycerin (56-81-5) S Massachusetts - Rig S Minnesota - Hazardo | Atory information as TSCA (Toxic Substar ag U.S California - Proposition 65 - Developmental Tox Yes ht To Know List o Know Hazardous Substance (Right to Know) List ht To Know List ous Substance List | ticity | - indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - | of the eligibility criteria |
| lot a dangerous good as of ECTION 15: Regula 5.1. US Federal regulation Glycerin (56-81-5) Listed on the United State EPA TSCA Regulatory FI 5.2. US State regulation thyl alcohol (64-17-5) I.S California - roposition 65 - carcinogens List es thyl alcohol (64-17-5) S Massachusetts - Rig S Minnesota - Hazardo S New Jersey - Right to S Pennsylvania - RTK S Massachusetts - Rig S Massachusetts - Rig S Massachusetts - Rig | Atory information as TSCA (Toxic Substar ag U.S California - Proposition 65 - Developmental Tox Yes ht To Know List oux Substance List | ticity | - indicates an exempt polyme in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | U.S California - Proposition 65 - | of the eligibility criteria |

Safety Data Sheet

| Sodium saccharin (128-44-9) | |
|---|--|
| U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List | |
| C.I. Acid Blue 9, disodium salt (3844-45-9) | |
| U.S Massachusetts - Right To Know List | |

SECTION 16: Other information

| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
|---------------------|-----------------------------------|
| Carc. 1A | Carcinogenicity Category 1A |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| H225 | Highly flammable liquid and vapor |
| 1302 | Harmful if swallowed |
| H350 | May cause cancer |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



Safety Data Sheet

| SECTION 1: Identification of the su | bstance/mixture and of the company/undertaking |
|--|--|
| 1.1. Product identifier | |
| Product name | 0.12% Chlorhexidine Gluconate Oral Rinse |
| 1.2. Relevant Identified uses of the sub | stance or mixture and uses advised against |
| Use of the substance/mixture | Pharmaceutical Agent |
| 1.3. Details of the supplier of the safety | data sheet |
| Patterson Dental Supply, Inc 1031 Mendota Heights Road, Saint Paul. MN 55120 | |
| 1.4. Emergency telephone number | |
| Emergency number | 1-800-361-2862 |
| SECTION 2: Hazards identification | and the second |
| 2.1. Classification of the substance or p | nixture |
| Classification (GHS-US) | |
| Carc. 1A H350 | |
| 2.2. Label elements | |
| GHS-US labeling | |
| | GHS08 |
| Signal word (GHS-US) | : Danger |
| Hazard statements (GHS-US) | : H350 - May cause cancer |
| Precautionary statements (GHS-US) | 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/eye protection/face protection P308 + P313 - If exposed or concerned: Get medical advice/attention P405 - Store locked up P501 - Dispose of contents/container in accordance with local/regional/national/international regulations. |
| 2.3. Other hazards | |
| No additional information available | |
| 2.4. Unknown acute toxicity (GHS-US) | |
| No data available | |
| SECTION 3: Composition/information | on on ingredients |
| 3.1. Substance | |
| Not applicable | |
| | |

| Name | Product identifier | % | Classification (GHS-US) |
|---|---------------------|--------------|--------------------------------------|
| Water | (CAS No) 7732-18-5 | Trade Secret | Not classified |
| Ethyl alcohol | (CAS No) 64-17-5 | Trade Secret | Flam. Liq. 2, H225 Carc. 1A, H350 |
| Glycerin | (CAS No) 56-81-5 | Trade Secret | Not classified |
| Chlorhexidine digluconate | (CAS No) 18472-51-0 | Trade Secret | Acute Tox. 4 (Oral), H302 |
| Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivatives | (CAS No) 58205-96-2 | Trade Secret | Not classified |
| Sodium saccharin | (CAS No) 128-44-9 | Trade Secret | Not classified |
| C.I. Acid Blue 9, disodium salt | (CAS No) 3844-45-9 | Trade Secret | Not classified |

SAFETY DATA SHEETS

This SDS packet was issued with item:

070850081 N/A

Safety Data Sheet

| 1.1. Description of first aid measures | S |
|---|---|
| First-aid measures after inhalation | No specific first aid necessary for this route of exposure. |
| First-aid measures after skin contact | Wash with soap and water. Seek medical advice if skin irritation develops or persists. |
| First-aid measures after eye contact | : Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention. |
| First-aid measures after ingestion | : Seek medical attention. |
| 4.2. Most important symptoms and e | affects, both acute and delayed |
| Symptoms/injuries after inhalation | : None under normal use. |
| Symptoms/injuries after skin contact | : None under normal use. |
| Symptoms/injuries after eye contact | : May produce transient eye irritation. |
| Symptoms/injuries after ingestion | Ingestion of large amounts may produce signs of alcohol intoxication. |
| 4.3. Indication of any immediate med | ilcal attention and special treatment needed |
| No additional information available | |
| SECTION 5: Firefighting measure | |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | : Use water spray, dry chemical, alcohol foam or CO ₂ |
| Unsuitable extinguishing media | : None. |
| 5.2. Special hazards arising from the | substance or mixture |
| Fire hazard | : None known. |
| Explosion hazard | None known. |
| 5.3. Advice for firefighters | |
| Protection during firefighting | : Firefighters should wear full protective gear. |
| And the second | |
| 6.1.1. For non-emergency personnel | easures equipment and emergency procedures |
| 6.1. Personal precautions, protective | |
| 6.1. Personal precautions, protective 6.1.1. For non-emergency personnel | |
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Safety Data Sheet

| SECTION 8: Exposure con 8.1. Control parameters | | |
|--|--|---|
| on of parameters | | |
| Ethyl alcohol (64-17-5) | and the second | and the product of the second s |
| USA ACGIH A | CGIH STEL (ppm) | 1000 ppm |
| USA OSHA O | SHA PEL (TWA) (mg/m ³) | 1900 mg/m ³ |
| USA OSHA O | SHA PEL (TWA) (ppm) | 1000 ppm |
| Glycerin (56-81-5) | | and a second |
| USA OSHA O | SHA PEL (TWA) (mg/m ³) | 5 mg/m ³ |
| 8.2. Exposure controls | | |
| Appropriate engineering controls | : None required under no | mal product handling conditions. |
| Hand protection | | mal product handling conditions. |
| Eye protection | | mal product handling conditions. |
| Skin and body protection | Wear suitable working c | |
| Respiratory protection | | mal product handling conditions. |
| SECTION 9: Physical and o | hemical properties | |
| | ysical and chemical properties | |
| Physical state | : Liquid | |
| Color | Clear Blue | |
| Odor | : Minty | |
| Odor threshold | No data available | |
| oH | No data available | |
| Relative evaporation rate (butyl ace | | |
| Velting point | : No data available | |
| Freezing point | : No data available | |
| | | |
| Boiling point | No data available | |
| Flash point | > 200 °F | |
| Auto-ignition temperature | : No data available | |
| Decomposition temperature | : No data available | |
| Flammability (solid, gas) | : No data available | |
| /apor pressure | : 721 mm Hg | |
| Relative vapor density at 20 °C | No data available | |
| Specific gravity | : 1.0 | |
| Solubility | : Water: | |
| Log Pow | : No data available | |
| Log Kow | No data available | |
| /iscosity, kinematic | : No data available | |
| /iscosity, dynamic | : No data available | |
| xplosive properties | No data available | |
| Dxidizing properties | No data available | |
| Explosive limits | : No data available | |
| 3.2. Other information | | |
| lo additional information available | | |

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

Safety Data Sheet

10.3. Possibility of hazardous reactions
Will not occur.
10.4. Conditions to avoid
Protect from light, avoid acidic conditions, and avoid prolonged exposure to elevated temperatures. Maintain at or below 77°F and above 32°F
10.5. Incompatible materials
None.
10.6. Hazardous decomposition products

Not determined.

| 11.1. Information on toxicological effects | |
|---|--|
| Acute toxicity | : Not classified |
| Ethyl alcohol (64-17-5) | |
| LC50 inhalation rat (mg/l) | 124.7 mg/l/4h |
| ATE US (oral) | 7060.0000000 mg/kg |
| Glycerin (56-81-5) | |
| LD50 dermal rabbit | > 10 g/kg |
| LC50 inhalation rat (mg/l) | > 570 mg/m ³ (Exposure time: 1 h) |
| ATE US (oral) | 12600.0000000 mg/kg |
| Chlorhexidine digluconate (18472-51-0) | |
| ATE US (oral) | 500.0000000 mg/kg |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | : May cause cancer. |
| Ethyl alcohol (64-17-5) | |
| IARC group | 1 - Carcinogenic to humans |
| Sodium saccharin (128-44-9) | |
| IARC group | 3 - Not classifiable |
| | |
| C.I. Acid Blue 9, disodium salt (3844-45-9) | 3 - Not classifiable |
| IARC group | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | . Not classified |
| | Mar stars (Fad |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| | Net sleep 10 ad |
| Aspiration hazard | : Not classified |
| SECTION 12: Ecological information | |
| 12.1. Toxicity | |
| Ethyl alcohol (64-17-5) | |
| LC50 fish 1 | 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1 | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 2 | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| Glycerin (56-81-5) | |
| LC50 fish 1 | 51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |

Safety Data Sheet

| LC50 fish 1 | | 16400 | - 20400 mg/l (Exposure time: 9 | 96 h - Species: Pimephales promel | as [static]) | |
|---|---|---|--|--|---|--|
| 2.2. Persistence ar | d degradability | 1 | | | | |
| o additional information | | | | | | |
| | | | | | | |
| 2.3. Bioaccumulati | ve potential | | | | | |
| Ethyl alcohol (64-17-5) | | | | | | |
| Log Pow | | -0.32 | | | | |
| Glycerin (56-81-5) | | | | | | |
| BCF fish 1 | | (no bio | paccumulation) | | | |
| Log Pow | | -1.76 | | | | |
| Sodium saccharin (12) | 3-44-9) | 1.14 | | | | |
| Log Pow | | 0.91 | | | | |
| 2.4. Mobility in soil | | | | | | |
| lo additional information | available | | | | | |
| | . He also | | | | | |
| 2.5. Other adverse ffect on ozone layer | enecus | · No ad | ditional information available | | | |
| | | | | | | |
| ffect on the global warm | ing | : No kn | own ecological damage caused | by this product. | | |
| ECTION 13: Dispo | sal consideratio | | | and states and states and | | |
| and the second se | | US I CONTRACTOR | | | | |
| 3.1. Waste treatme | | - | | udanas with tract/socias stractional | latemational regulations | |
| | | Dicnor | ca of contents/container in acco | | | |
| ECTION 14: Trans accordance with DOT | port information | | se of contents/container in acco | idance with local/egional/hatonal | | |
| SECTION 14: Trans accordance with DOT lot a dangerous good as SECTION 15: Regu | port information defined in transport re- latory information | gulations | se of contents/container in acco | | | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat | port information defined in transport re- latory information | gulations | se of contents/container in acco | | | |
| Waste disposal recomme. SECTION 14: Trans in accordance with DOT Not a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) | port information defined in transport re- latory information ions | gulations | | | 3 | |
| SECTION 14: Trans n accordance with DOT Not a dangerous good as SECTION 15: Regular 5.1. US Federal regular Glycerin (56-81-5) Listed on the United Sta | port information defined in transport re- latory information ions tes TSCA (Toxic Subst | gulations 1 ances Cor | ntrol Act) inventory | | | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) | port information defined in transport re- latory information ions tes TSCA (Toxic Subst | gulations tances Cor Y2 - Y include | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond | er that is a polyester and is made or perm reactants that comprises one of | nly from reactants | |
| ECTION 14: Trans a accordance with DOT lot a dangerous good as ECTION 15: Regular 5.1. US Federal regular Glycerin (56-81-5) Listed on the United Sta | port information defined in transport re- latory information ions tes TSCA (Toxic Subst | gulations tances Cor Y2 - Y include | ntrol Act) inventory 2 - indicates an exempt polyme | er that is a polyester and is made or | nly from reactants | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F | port information defined in transport reg latory information lons tes TSCA (Toxic Subst Flag | gulations tances Cor Y2 - Y include | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond | er that is a polyester and is made or | nly from reactants | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F | port information defined in transport reg latory information lons tes TSCA (Toxic Subst Flag | gulations tances Cor Y2 - Y include | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond | er that is a polyester and is made or | nly from reactants | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) .S California - | port information defined in transport re- latory information lons tes TSCA (Toxic Subst Flag | gulations ances Cor Y2 - Y include for the | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule. | er that is a polyester and is made or comprises one of the comprises one | nly from reactants of the eligibility criteria | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) J.S California - roposition 65 - | port information defined in transport re- latory information ions tes TSCA (Toxic Subst Flag | gulations ances Cor Y2 - Y include for the | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - | er that is a polyester and is made or comprises one of the comprises one comprises one of the comprises one of the | nly from reactants | |
| SECTION 14: Trans accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) .S California - roposition 65 - arcinogens List | port information defined in transport reg latory information lons tes TSCA (Toxic Subst Flag U.S California - Proposition 65 - | gulations ances Cor Y2 - Y include for the | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule. U.S California - Proposition 65 - | er that is a polyester and is made or com reactants that comprises one of U.S California - Proposition 65 - | nly from reactants of the eligibility criteria | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) I.S California - roposition 65 - carcinogens List es | defined in transport reg latory information lons tes TSCA (Toxic Subst Flag U.S California - Proposition 65 - Developmental T | gulations ances Cor Y2 - Y include for the | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - | er that is a polyester and is made or com reactants that comprises one of U.S California - Proposition 65 - | nly from reactants of the eligibility criteria | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) .s California - roposition 65 - arcinogens List es | defined in transport reg latory information lons tes TSCA (Toxic Subst Flag U.S California - Proposition 65 - Developmental T Yes | gulations ances Cor Y2 - Y include for the | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond e exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - | er that is a polyester and is made or com reactants that comprises one of U.S California - Proposition 65 - | nly from reactants of the eligibility criteria | |
| ECTION 14: Trans accordance with DOT ot a dangerous good as ECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) .S California - roposition 65 - arcinogens List es thyl alcohol (64-17-5) .S Massachusetts - Rin S Minnesota - Hazard S New Jersey - Right | defined in transport re- latory information latory information lons tes TSCA (Toxic Subst Tag U.S California - Proposition 65 - Developmental T Yes ght To Know List ous Substance List to Know Hazardous Su | gulations ances Cor Y2 - Y include for the oxicity | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | er that is a polyester and is made or com reactants that comprises one of U.S California - Proposition 65 - | nly from reactants of the eligibility criteria | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulation thyl alcohol (64-17-5) I.S California - roposition 65 - iarcinogens List es thyl alcohol (64-17-5) S Massachusetts - Right S Massachusetts - Right S Massachusetts - Right S New Jersey - Right S Pennsylvania - RTK | defined in transport re- latory information latory information lons tes TSCA (Toxic Subst Tag U.S California - Proposition 65 - Developmental T Yes ght To Know List ous Substance List to Know Hazardous Su | gulations ances Cor Y2 - Y include for the oxicity | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | er that is a polyester and is made or com reactants that comprises one of U.S California - Proposition 65 - | nly from reactants of the eligibility criteria | |
| SECTION 14: Trans a accordance with DOT lot a dangerous good as SECTION 15: Regul 5.1. US Federal regulat Glycerin (56-81-5) Listed on the United Sta EPA TSCA Regulatory F 5.2. US State regulatory thyl alcohol (64-17-5) .S California - roposition 65 - arcinogens List es thyl alcohol (64-17-5) .S Massachusetts - Rij .S Massachusetts - Rij .S Manesota - Hazard .S New Jersey - Right | aport information defined in transport reg latory information lons tes TSCA (Toxic Subst Tag U.S California - Proposition 65 - Developmental T Yes ght To Know List ous Substance List to Know Hazardous SL (Right to Know) List | gulations ances Cor Y2 - Y include for the oxicity | ntrol Act) inventory 2 - indicates an exempt polyme ed in a specified list of low cond exemption rule. U.S California - Proposition 65 - Reproductive Toxicity - Female | er that is a polyester and is made or com reactants that comprises one of U.S California - Proposition 65 - | nly from reactants of the eligibility criteria | |

Safety Data Sheet

| Sodium saccharin (128-44-9) | |
|---|--|
| U.S Massachusetts - Right To Know List U.S Pennsylvania - RTK (Right to Know) List | |
| C.I. Acid Blue 9, disodium salt (3844-45-9) | |
| U.S Massachusetts - Right To Know List | |

SECTION 16: Other information Full text of H-phrases:

| xt of H-phrases: | |
|---------------------|-----------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Carc. 1A | Carcinogenicity Category 1A |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| H225 | Highly flammable liquid and vapor |
| H302 | Harmful if swallowed |
| H350 | May cause cancer |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product



According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 12.05.2017

0.12% Chlorhexidine Gluconate Oral Rinse

SECTION 1: Identification

Product identifier

Product name: 0.12% Chlorhexidine Gluconate Oral Rinse **Product code:** 070850081, 070447516

Recommended use of the product and restriction on use Relevant identified uses: Pharmaceutical Agent Uses advised against: Not determined or not applicable. Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer: Supplier Patterson Companies, Inc. 1031 Mendota Heights Road St. Paul, MN 55120 1-800-328-5536 Fax:1-651-686-9331

Emergency telephone number: United States CHEMTREC Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours) Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

SECTION 2: Hazard(s) identification

GHS classification: Not a hazardous substance or mixture Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None Precautionary statements: None Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

| Identification | Name | Weight % |
|--------------------------|---------|----------|
| CAS number: 64-17-5 | Ethanol | <100 |
| CAS number: 7732-18-5 | Water | <100 |

Page 1 of 9

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 12.05.2017

0.12% Chlorhexidine Gluconate Oral Rinse

| CAS number: 56-81-5 | Glycerol | <100 |
|---------------------------|---|------|
| CAS number: 18472-51-0 | D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12- diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | <100 |
| CAS number: 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs. | <100 |
| CAS number: 128-44-9 | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt | <100 |
| CAS number: 3844-45-9 | Brilliant blue | <100 |

Additional Information:

The percentages are being withheld as a trade secret.

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position Maintain an unobstructed airway Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 12.05.2017

0.12% Chlorhexidine Gluconate Oral Rinse

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Not determined or not applicable.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation Ensure air handling systems are operational Wear protective eye wear, gloves and clothing

Environmental precautions:

Should not be released into the environment Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing Absorb with non-combustible liquid-binding material (sand, diatomaceus earth (clay), acid binders, universal binders)

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation. Avoid breathing mist or vapor. Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed. Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|-----------------------|-----------|------------|---|
| ACGIH | Ethanol | 64-17-5 | ACGIH TLV TWA 1,000 ppm |
| | Ethanol | 64-17-5 | ACGIH TLV STEL 1,000 ppm |
| | Glycerol | 56-81-5 | ACGIH TWA 10. mg/m3 |
| United States (OSHA) | Ethanol | 64-17-5 | OSHA PEL TWA 1,000 ppm |
| | Ethanol | 64-17-5 | OSHA PEL TWA 1,900 mg/m ³ |
| | Glycerol | 56-81-5 | OSHA PEL TWA value 15 mg/m3 total dust |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|-----------------------|-----------|------------|---|
| | Glycerol | 56-81-5 | OSHA PEL TWA value 15 mg/m3 respirable fraction |
| NIOSH | Ethanol | 64-17-5 | NIOSH REL TWA 1,000 ppm |
| | Ethanol | 64-17-5 | NIOSH REL TWA 1,900 mg/m ³ |

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances

Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of work. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| Appearance | Liquid |
|------------------------------------|----------------------------------|
| Odor | Not determined or not available. |
| Odor threshold | Not determined or not available. |
| рН | Not determined or not available. |
| Melting point/freezing point | Not determined or not available. |
| Initial boiling point/range | Not determined or not available. |
| Flash point (closed cup) | > 200 |
| Evaporation rate | Not determined or not available. |
| Flammability (solid, gas) | Not determined or not available. |
| Upper flammability/explosive limit | Not determined or not available. |
| Lower flammability/explosive limit | Not determined or not available. |
| Vapor pressure | Not determined or not available. |

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| Not determined or not available. |
|----------------------------------|
| Not determined or not available. |
| |

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

| Name | Route | Result |
|---|--------|-------------------------|
| D-gluconic acid, compound with N,N''-bis(4- chlorophenyl)-3,12- | oral | LD50 -Rat - 2000 mg/kg |
| diimino-2,4,11,13- tetraazatetradecanediamidine (2:1) | dermal | LD50 - Rat - 3320 mg/kg |

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

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Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

| Name | Result |
|--|--------------------------------|
| Ethanol | Causes serious eye irritation. |
| D-gluconic acid, compound with N,N''-bis(4- chlorophenyl)-3,12- diimino-2,4,11,13- tetraazatetradecanediamidine (2:1) | Causes serious eye damage. |

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC):

| Name | Classification |
|---------|----------------------------------|
| Ethanol | Group 1 - Carcinogenic to humans |

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

| Name | Result |
|------|---|
| | Reproductive toxicity - Human female - Oral (Effects on Newborn: Apgar score (human only) , other neonaal measures or effects and drug depenedence.)) |

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

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| Product data: No data available. |
|---|
| Substance data: No data available. |
| Aspiration toxicity |
| Assessment: Based on available data, the classification criteria are not met. |
| Product data: No data available. |
| Substance data: No data available. |
| Information on likely routes of exposure: |
| No data available. |
| Symptoms related to the physical, chemical and toxicological characteristics: |
| No data available. |
| Other information: |
| No data available. |

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

| Name | Result |
|---------|--|
| Ethanol | LC50 - Pimephales promelas (fathead minnow) - 14, 200 mg/l - 96 h |
| | LC50 - Ceriodaphnia dubia (water flea) - 5, 012 mg/l - 48 h |
| | NOEC - Daphnia magna (water flea) - 9.6 mg/l - 9 d |
| | EC50 - Chlorella vulgaris (fresh water algae) - 275 mg/l - 72 h (OECD Test Guideline 201) |

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data:

| Name | Result |
|---------|--------------------------------------|
| Ethanol | Result: 95 % - Readily biodegradable |

Bioaccumulative potential

Product data: No data available.

Substance data:

| Name | Result |
|------|---|
| | Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected. |

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

| UN number | Not regulated |
|-------------------------------|---------------|
| UN proper shipping name | Not regulated |
| UN transport hazard class(es) | None |
| Packing group | None |
| Environmental hazards | None |
| Special precautions for user | None |

International Maritime Dangerous Goods (IMDG)

| UN number | Not regulated |
|-------------------------------|---------------|
| UN proper shipping name | Not regulated |
| UN transport hazard class(es) | None |
| Packing group | None |
| Environmental hazards | None |
| Special precautions for user | None |

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

| UN number | Not regulated |
|-------------------------------|---------------|
| UN proper shipping name | Not regulated |
| UN transport hazard class(es) | None |
| Packing group | None |
| Environmental hazards | None |
| Special precautions for user | None |

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

| 7732-18-5 | Water | Listed |
|------------|---|--------|
| 64-17-5 | Ethanol | Listed |
| 56-81-5 | Glycerol | Listed |
| 18472-51-0 | D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12- diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs. | Listed |
| 128-44-9 | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt | Listed |
| 3844-45-9 | Brilliant blue | Listed |

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

| 7732-18-5 | Water |
|-----------|-------|
|-----------|-------|

Not Listed

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| 64-17-5 | Ethanol | Not Listed |
|------------|---|------------|
| 18472-51-0 | D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12- diimino-2.4.11.13-tetraazatetradecanediamidine (2:1) | Not Listed |

CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

| 7732-18-5 | Water | Not Listed |
|------------|--|------------|
| 64-17-5 | Ethanol | Listed |
| 18472-51-0 | D-gluconic acid, compound with N,N''-bis(4-chlorophenyl)-3,12- diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs. | Not Listed |
| 128-44-9 | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt | Listed |

New Jersey Right to Know:

| 7732-18-5 | Water | Not Listed |
|------------|---|------------|
| 64-17-5 | Ethanol | Listed |
| | D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12- diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs. | Not Listed |
| 128-44-9 | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt | Not Listed |

New York Right to Know:

| 7732-18-5 | Water | Not Listed |
|------------|---|------------|
| 64-17-5 | Ethanol | Listed |
| 18472-51-0 | D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12- diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs. | Not Listed |
| 128-44-9 | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt | Not Listed |

Pennsylvania Right to Know:

| 7732-18-5 | Water | Not Listed |
|------------|---|------------|
| 64-17-5 | Ethanol | Listed |
| 18472-51-0 | D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12- diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) | Not Listed |
| 58205-96-2 | Sorbitan, isooctadecanoate, poly(oxy-1,2-ethanediyl) derivs. | Not Listed |
| 128-44-9 | 1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt | Listed |

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet