

Purefect Hospital Spray Disinfectant

Safety Data Sheet



SECTION 1: Product and company identification

Product name : Purefect Hospital Spray Disinfectant
Use of the substance/mixture : Aerosol
Disinfectant
Product code : 8428
Company : Share Corporation
P.O. Box 245013
Milwaukee, WI 53224 - USA
T 800-776-7192
sharecorp.com
Emergency number : For 24/7 Chemical Emergency Call Chemtrec: 1-800-424-9300 (toll-free) and provide CCN 20036

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification
Flam. Aerosol 2 H223
Press. Gas (Liq.) H280
Skin Irrit. 2 H315
Eye Irrit. 2A H319
STOT SE 3 H335

2.2. Label elements

GHS US labelling
Hazard pictograms (GHS US) :



GHS02 GHS04 GHS07

Signal word (GHS US) :
Hazard statements (GHS US) :

: Warning
: Flammable aerosol
Contains gas under pressure; may explode if heated
Causes skin irritation
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary statements (GHS US) :

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container
Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).
Store in a well-ventilated place.
Wash hands thoroughly after handling.
Wear protective gloves, eye protection.
If on skin: Wash with plenty of water.
If skin irritation occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice or attention.
Avoid breathing mist, vapours, spray.
Use only outdoors or in a well-ventilated area.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center or doctor if you feel unwell.
Dispose of contents and container to comply with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable.

Purefect Hospital Spray Disinfectant

Safety Data Sheet



SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|--------------------------|--------------------|----------|--|
| Isopropanol (Solvent) | (CAS-No.) 67-63-0 | 30 - 60* | Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336 |
| Butane | (CAS-No.) 106-97-8 | 10 - 20 | Flam. Gas 1, H220 Press. Gas (Comp.), H280 |
| Propane | (CAS-No.) 74-98-6 | 3 - 7 | Flam. Gas 1A, H220 Press. Gas (Comp.), H280 |

All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Call a poison center or a doctor if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Wash thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation, rash or other adverse effects occur. . Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth with water. Do not induce vomiting without medical advice. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Headache. May cause an allergic skin reaction. Dermatitis.
- Symptoms/effects after inhalation : Slight irritation. Dizziness. Drowsiness. May cause respiratory irritation.
- Symptoms/effects after skin contact : Skin rash/inflammation. May cause an allergic skin reaction. Dermatitis. Irritation.
- Symptoms/effects after eye contact : May cause slight irritation. Redness. Eye irritation.
- Symptoms/effects after ingestion : Abdominal pain, nausea. Vomiting. Diarrhea.

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

Probably mucosal damage may contraindicate to the use of gastric lavage. Treat symptomatically. Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Water fog. Fire extinguishers. Water spray. Dry powder. Foam.
- Unsuitable extinguishing media : Not applicable.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Contains gas under pressure; may explode if heated. Flammable aerosol.
- Explosion hazard : Contents under pressure.
- Reactivity : Flammable aerosol.

5.3. Advice for firefighters

- Firefighting instructions : Do not move the load if exposed to heat. Move containers away from the fire area if this can be done without risk. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Wear recommended personal protective equipment. Flame retardant protective clothing. Appropriate self-contained breathing apparatus may be required. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Purefect Hospital Spray Disinfectant

Safety Data Sheet



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

Protective equipment : Do not enter without an appropriate protective equipment. Advise local authorities if considered necessary. Do not touch spilled material. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc). Extra personal protection: self-contained breathing apparatus. Do not breathe gas/vapour.

Emergency procedures : Do not breathe gas. Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area. Seal off low-lying areas. No open flames, no sparks, and no smoking. Avoid breathing mist, vapours. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Breathing apparatus. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area. Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment. Avoid discharge to the environment. Do not allow into drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Eliminate every possible source of ignition. Prevent the product from entering drains or confined areas. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Isolate area until gas has dispersed. Collect spillage.

Methods for cleaning up : Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Dispose as hazardous waste. Following product recovery, flush area with water. Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Do not use if spray button is missing or defective. Do not pierce or burn, even after use. Keep away from heat, sparks and flame.

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear recommended personal protective equipment. Do not breathe mist, vapours. Use only outdoors or in a well-ventilated area. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Pressurized container. Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep cool. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Protect from sunlight. Store in a well-ventilated place. Store locked up. Keep container tightly closed.

Incompatible products : Strong oxidizing agents. Strong alkalis. Strong bases. reactive metals (Al, K, Zn ...).

Incompatible materials : Heat sources.

Storage temperature : < 49 °C

Storage area : Aerosol 1.

Packaging materials : Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Purefect Hospital Spray Disinfectant

| | |
|-------|----------------|
| ACGIH | Not applicable |
|-------|----------------|

Purefect Hospital Spray Disinfectant

Safety Data Sheet



| | |
|------|----------------|
| OSHA | Not applicable |
|------|----------------|

| Propane (74-98-6) | | |
|-------------------|-----------------|------------------------|
| ACGIH | ACGIH® TLV® TWA | 1000 ppm |
| ACGIH | Remark (ACGIH®) | TLV® Basis: Asphyxia |
| OSHA | OSHA PEL TWA | 1800 mg/m ³ |
| OSHA | OSHA PEL TWA | 1000 ppm |

| Butane (106-97-8) | | |
|-------------------|-----------------|----------|
| ACGIH | ACGIH® TLV® TWA | 1000 ppm |
| OSHA | Not applicable | |

| Isopropanol (67-63-0) | | |
|-----------------------|------------------|--|
| ACGIH | ACGIH® TLV® TWA | 491 mg/m ³ |
| ACGIH | ACGIH® TLV® TWA | 200 ppm |
| ACGIH | ACGIH® TLV® STEL | 984 mg/m ³ |
| ACGIH | ACGIH® TLV® STEL | 400 ppm |
| ACGIH | Remark (ACGIH®) | TLV® Basis: Eye & URT irr; CNS repair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI |
| OSHA | OSHA PEL TWA | 980 mg/m ³ |
| OSHA | OSHA PEL TWA | 400 ppm |

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
 Personal protective equipment : Use appropriate personal protective equipment when risk assessment indicates this is necessary.
 Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.



- Hand protection : Protective gloves.
 Eye protection : Safety glasses.
 Skin and body protection : Wear suitable protective clothing.
 Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
 Environmental exposure controls : Avoid release to the environment.
 Consumer exposure controls : Use good personal hygiene practices.
 Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Gas
 Appearance : Liquid, Aerosols
 Odour : Medicinal odour
 Odour threshold : No data available
 pH : 9.8 – 10.3
 Melting point : No data available
 Freezing point : No data available
 Boiling point : 115.3 °F Estimated
 Flash point : No data available
 Relative evaporation rate (butylacetate=1) : No data available
 Flammability : No data available
 Explosive limits : No data available
 Explosive properties : No data available
 Oxidising properties : No data available
 Vapour pressure : 101.3 kPa @70°F estimated
 Relative density : No data available
 Relative vapour density at 20°C : No data available
 Density : 0.87 g/ml Supplier estimated
 Solubility : Soluble in water.
 Partition coefficient n-octanol/water (Log Pow) : No data available
 Partition coefficient n-octanol/water (Log Kow) : No data available

Purefect Hospital Spray Disinfectant

Safety Data Sheet



| | |
|---------------------------|---------------------|
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| VOC content | : 60 % |

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable aerosol.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. . Incompatible materials. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases. alkalis.

10.6. Hazardous decomposition products

carbon oxides. Nitrogen oxides. Hydrocarbons, gaseous.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : No data available

| Isopropanol (67-63-0) | |
|-----------------------------|---|
| LD50 oral rat | 5840 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | 13120 mg/kg bw/day (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Converted value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat [ppm] | > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| ATE CLP (oral) | 5840 mg/kg bodyweight |
| ATE CLP (dermal) | 16400000 mg/kg bodyweight |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Causes skin irritation. pH: 9.8 – 10.3 |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 9.8 – 10.3 |
| Respiratory or skin sensitisation | : Skin sensitization: Not classified (Based on available data, the classification criteria are not met). Respiratory sensitization: Not classified (Based on available data, the classification criteria are not met). |
| Germ cell mutagenicity | : No data available (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met). |

| Isopropanol (67-63-0) | |
|-----------------------|----------------------|
| IARC group | 3 - Not classifiable |

| | |
|---|--|
| Reproductive toxicity | : No data available (Based on available data, the classification criteria are not met) |
| STOT-single exposure | : May cause respiratory irritation. |
| STOT-repeated exposure | : No data available (Based on available data, the classification criteria are not met) |
| Aspiration hazard | : Not applicable |
| Potential adverse human health effects and symptoms | : Allergic skin rash. Dermatitis. |

Purefect Hospital Spray Disinfectant

Safety Data Sheet



| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : Slight irritation. Dizziness. Drowsiness. May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Skin rash/inflammation. May cause an allergic skin reaction. Dermatitis. Irritation. |
| Symptoms/effects after eye contact | : May cause slight irritation. Redness. Eye irritation. |
| Symptoms/effects after ingestion | : Abdominal pain, nausea. Vomiting. Diarrhea. |
| Likely routes of exposure | : Skin and eyes contact;Inhalation;Ingestion |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| | |
|-----------------------|--|
| Isopropanol (67-63-0) | |
| LC50 - Fish [1] | 9640 – 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) |
| LC50 - Fish [2] | 9640 mg/l Test organisms (species): Pimephales promelas |

12.2. Persistence and degradability

| | |
|--------------------------------------|--|
| Purefect Hospital Spray Disinfectant | |
| Persistence and degradability | Biodegradable in water. |
| Isopropanol (67-63-0) | |
| Persistence and degradability | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.2 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 2.2 g O ₂ /g substance |
| ThOD | 2.4 g O ₂ /g substance |

12.3. Bioaccumulative potential

| | |
|---|--|
| Purefect Hospital Spray Disinfectant | |
| Bioaccumulative potential | Not bioaccumulative. |
| Isopropanol (67-63-0) | |
| Partition coefficient n-octanol/water (Log Pow) | 0.05 (Weight of evidence approach, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Regional waste regulation | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container to comply with local/regional/national regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Dispose of contents/container to comply with local/regional/national regulations. Disposal must be done according to official regulations. |
| Additional information | : Do not re-use empty containers. |
| Ecological waste information | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

SECTION 14: Transport information

Department of Transportation (DOT)

| | |
|--------------------------------------|---|
| Transport document description (DOT) | : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1 |
| UN-No. (DOT) | : UN1950 |
| Proper Shipping Name (DOT) | : Aerosols (flammable, (each not exceeding 1 L capacity)) |
| Class (DOT) | : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115 |

Purefect Hospital Spray Disinfectant

Safety Data Sheet



Hazard labels (DOT) : 2.1 - Flammable gas



DOT Packaging Non Bulk (49 CFR 173.xxx) : None
DOT Packaging Bulk (49 CFR 173.xxx) : None
DOT Special Provisions (49 CFR 172.102) : N82
DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A
DOT Vessel Stowage Other : 25 - Protected from sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

Additional information

Other information : When transported by ground, this product may be eligible to be shipped as a Limited Quantity utilizing the exception found at 49 CFR 173.306. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.

ADR

No additional information available

Transport by sea

UN-No. (IMDG) : UN1950
Proper Shipping Name (IMDG) : AEROSOLS
Class (IMDG) : 2.1 - Flammable gases

Air transport

UN-No. (IATA) : UN1950
Proper Shipping Name (IATA) : Aerosols, flammable
Class (IATA) : 2.1 - Gases : Flammable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S

Sodium Nitrite : 7632-00-0

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

FIFRA Labelling

EPA Registration Number : 44446-20

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

FIFRA Signal Word : Caution

FIFRA Human Health Hazards : Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt, long pants, socks and shoes. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Harmful if swallowed.

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

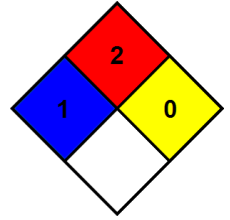
NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

Purefect Hospital Spray Disinfectant

Safety Data Sheet



NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Prepared by: Technical Department

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. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.