according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

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

· 1.1 Product identifier

· Trade name: DisCide Ultra Disinfecting Spray

· Article number: 3564, 3565G/Q

• **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

· Application of the substance / the mixture Surface disinfectant

 1.3 Details of the supplier of the Safety Data Sheet
 Manufacturer/Supplier: Palmero Health Care
 120 Goodwin Place
 Stratford, CT 06615
 Phone: (203) 377-6424
 Email: customerservice@palmerohealth.com

• **1.4 Emergency telephone number:** ChemTel Inc. (800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 1272/2008 Classifications listed are applicable to the OSHA GHS Hazard Communication Standard (29CFR1910.1200).

flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Additional information: There are no other hazards not otherwise classified that have been identified.
0 % of the mixture consists of component(s) of unknown toxicity.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).

The product is classified and labelled according to the CLP regulation.

(Cont'd. on page 2)

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

Revision: 03.08.2015

(Cont'd. from page 1) · Hazard pictograms GHS02 GHS07 Signal word Danger · Hazard-determining components of labelling: propan-2-ol Hazard statements H225 Highly flammable liquid and vapour. H319 Causes serious eve irritation. H336 May cause drowsiness or dizziness. Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapors. P280 Wear protective gloves / eye protection. P233 Keep container tightly closed. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use for extinction: CO2, powder or water spray. P370+P378 P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. · NFPA ratings (scale 0 - 4) Health = 1Fire = 3Reactivity = 0 · HMIS-ratings (scale 0 - 4) 1 Health = 1 HEALTH ³ Fire = 3 FIRE REACTIVITY O Reactivity = 0 · 2.3 Other hazards · Results of PBT and vPvB assessment • **PBT:** Not applicable. · **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

(Cont'd. on page 3)

Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

(Cont'd. from page 2)

· Dangerous components:		
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	50-100%
CAS: 85665-42-5 EINECS: 288-131-1	Quaternary ammonium compounds, benzyl-C7-17-alkyldimethyl, chlorides Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 2,5%

· Additional information:

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and exact percentages are being withheld as a trade secret.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Take affected persons out into the fresh air.

Immediately remove any clothing soiled by the product.

- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation is experienced, consult a doctor.

· After eye contact:

Protect unharmed eye. Remove contact lenses if worn.

Rinse opened eve for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

- 4.2 Most important symptoms and effects, both acute and delayed
- Headache

Breathing difficulty

Dizziness

Coughing

Irritant to eyes.

Gastric or intestinal disorders when ingested.

· Hazards Vapours may cause drowsiness and dizziness.

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

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: None.

(Cont'd. on page 4)

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

(Cont'd. from page 3) 5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire. 5.3 Advice for firefighters · Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit. Additional information Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water spray. Use large quantities of foam as it is partially destroyed by the product. **SECTION 6: Accidental release measures** 6.1 Personal precautions, protective equipment and emergency procedures Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Remove ignition sources.

Protect from heat

· 6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders). Dispose contaminated material as waste according to section 13.

Send for recovery or disposal in suitable receptacles.

Clean the affected area carefully; suitable cleaners are:

Warm water

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Use only in well ventilated areas.

Do not spray on flame or other ignition sources. No smoking.

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Information about fire - and explosion protection:

Highly flammable liquid and vapour.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Do not spray onto a naked flame or any incandescent material.

(Cont'd. on page 5)

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

(Cont'd. from page 4)

• 7.2 Conditions for safe storage, including any incompatibilities • Storage:

• Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame. Provide ventilation for receptacles.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

• Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Do not expose to temperatures exceeding 50 °C/122 °F.

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see section 7.

· 8.1 Control parameters

· Ingredients	with limit values that require monitoring at the workplace:	
67-63-0 prop	an-2-ol	
PEL (USA)	Long-term value: 980 mg/m ³ , 400 ppm	
REL (USA)	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm	
TLV (USA)	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI	
EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm	
	Short-term value: 400 ppm Long-term value: 200 ppm	
	irther relevant information available. irther relevant information available.	
· Ingredients	with biological limit values:	
67-63-0 prop	an-2-ol	
T	0 mg/L ledium: urine ime: end of shift at end of workweek arameter: Acetone (background, nonspecific)	
· Additional in	formation: The lists valid during the making were used as basis.	
General prot The usual pre	e controls ptective equipment: tective and hygienic measures: ecautionary measures are to be adhered to when handling chemicals. om foodstuffs, beverages and feed.	
	-	(Cont'd. on page 6)

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

(Cont'd. from page 5) Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid breathing mist/vapours/spray. Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present. Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR Neoprene gloves • Eye protection: Safety glasses **Body protection:** Not required under normal conditions of use. Protection may be required for spills. · Limitation and supervision of exposure into the environment No further relevant information available. · Risk management measures See Section 7 for additional information. No further relevant information available. **SECTION 9: Physical and chemical properties** • 9.1 Information on basic physical and chemical properties

General Information Appearance:	
Form:	Liquid
Colour:	Clear
Ddour:	Characteristic
Ddour threshold:	Not determined.
oH-value at 20 °C (68 °F):	6,88
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Not Determined. 81 °C (178 °F)
Flash point:	13 °C (55 °F)
lammability (solid, gaseous):	Not applicable.
Auto/Self-ignition temperature:	>260 °C (>500 °F)

(Cont'd. on page 7)

Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

	(Cont'd. from page 6)
Decomposition temperature:	Not determined.
· Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits: Lower: Upper:	2,0 Vol % 12,0 Vol %
Vapour pressure at 20 °C (68 °F):	43 hPa (32 mm Hg)
Density at 20 °C (68 °F): Relative density Vapour density at 20 °C (68 °F) Evaporation rate	0,87 g/cm³ (7,26 lbs/gal) Not determined. 2,1 g/cm³ (17,525 lbs/gal) Not determined.
Solubility in / Miscibility with water:	Slightly soluble.
Partition coefficient (n-octanol/water)	: Not determined.
Viscosity: Dynamic at 20 °C (68 °F): Kinematic: 9.2 Other information	3,66 mPas Not determined. No further relevant information available.

SECTION 10: Stability and reactivity

 10.1 Reactivity No further relevant information available. 10.2 Chemical stability Thermal decomposition / conditions to be avoided: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 10.3 Possibility of hazardous reactions Highly flammable liquid and vapour. Reacts violently with oxidising agents. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised. Toxic fumes may be released if heated above the decomposition point. Used empty containers may contain product gases which form explosive mixtures with air. 10.4 Conditions to avoid Keep ignition sources away - Do not smoke. Store away from oxidising agents. 10.5 Incompatible materials: Oxidizing agents
· 10.6 Hazardous decomposition products:
Under fire conditions only: Carbon monoxide and carbon dioxide

(Cont'd. on page 8)

Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

(Cont'd. from page 7)

· Acute tox		toxicological e	ects			
	•	vant for classif	cation:			
67-63-0 p	ropan-2-ol					
Oral	LD50 5	045 mg/kg (rat)				
Dermal	LD50	2800 mg/kg (ral	bit)			
Inhalative	LC50/4h 3	0 mg/l (rat)				
Skin corre- Serious e Causes se Respirato Acute effe CMR effe Germ cell Based on Carcinog Based on Reproduc Based on STOT-sin May cause STOT-rep	ye damage erious eye in ory or skin ects (acute cts (carcin available da enicity available da extive toxici available da gle exposu e drowsines	tion Slight irritar /irritation ritation. sensitisation Ba toxicity, irritati ogenity, mutage sity ata, the classifica y ata, the classifica y ata, the classifica y s or dizziness.	sed on availabl on and corrosi nicity and toxi tion criteria are tion criteria are	e data, the cla vity): Vapour i city for repr o not met. not met.	assification crite s have narcotic	eria are not met. effect.
- Aspiratio	available da n hazard	nta, the classification the clas				
• Aspiratio Based on	available da n hazard available da	ita, the classifica	tion criteria are			
Aspiration Based on SECTIO 12.1 Toxic Aquatic to 12.2 Pers 12.3 Bioa 12.4 Mobi Ecotoxica Remark: 1 Additiona General n Water haz Do not all system. This state	available da n hazard available da N 12: Ec city oxicity: The istence and ccumulativ ility in soil al effects: Harmful to a l ecologica totes: card class 1 ow undilute ment was d	ata, the classifica ata, the classifica blogical info a product contair d degradability e potential No No further releva algae al information: (German Regul d product or late educed from the	tion criteria are mation s materials that to further relevant i nt information a stion) (Self-asse ge quantities o	not met. are harmful t ant information nformation av available. essment): slig f it to reach g	n available. /ailable. htly hazardous ground water, v	
Aspiration Based on Based on SECTIO 12.1 Toxic Aquatic to 12.2 Pers 12.3 Bioa 12.4 Mobi Ecotoxica Remark: I Additiona General n Water haz Do not all system. This state Harmful to Due to ava the enviro	available da n hazard available da N 12: Ec N 12: Ec city pxicity: The istence and ccumulativ ility in soil al effects: Harmful to a al effects: Harmful to a al ecologica iotes: card class 1 ow undilute ment was d o aquatic or ailable data nment is ur ilts of PBT	ata, the classifica ata, the classifica blogical infor a product contair d degradability e potential No No further relevand algae al information: (German Regul d product or land educed from the ganisms on eliminability/o	tion criteria are mation s materials that to further relevant i nt information a stion) (Self-asse ge quantities o properties of th ecomposition a	not met.	n available. /ailable. htly hazardous ground water, v	for water
Aspiration Based on Based on SECTIO 12.1 Toxic Aquatic to 12.2 Pers 12.3 Bioa 12.4 Mobi Ecotoxica Remark: I Additiona General n Water haz Do not all system. This state Harmful to Due to ava the enviro 12.5 Resu	available da n hazard available da N 12: Ec N 12: Ec city pxicity: The istence and ccumulativ ility in soil al effects: Harmful to a al effects: Harmful to a al ecologica iotes: card class 1 ow undilute ment was d o aquatic or ailable data nment is ur ilts of PBT	ata, the classifica ata, the classifica blogical infor e product contair d degradability e potential No f No further releva algae al information: (German Regul d product or lat educed from the ganisms on eliminability/ likely. and vPvB asse	tion criteria are mation s materials that to further relevant i nt information a stion) (Self-asse ge quantities o properties of th ecomposition a	not met.	n available. /ailable. htly hazardous ground water, v	for water water course or sewa

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

(Cont'd. from page 8)

Trade name: DisCide Ultra Disinfecting Spray

· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Incinerate in accordance with local, state and federal regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

· Uncleaned packaging:

• Recommendation: Disposal must be made according to local official regulations.

SECTION 14: Transport information	
 14.1 UN-Number DOT, ADR, IMDG, IATA 14.2 UN proper shipping name DOT ADR IMDG, IATA 14.3 Transport hazard class(es) 	UN1987 Alcohols, n.o.s. (isopropyl alcohol) 1987 ALCOHOLS, N.O.S. (isopropyl alcohol) ALCOHOLS, N.O.S. (isopropyl alcohol)
DOT	
· Class · Label	3 Flammable liquids. 3
ADR	
· Class · Label	3 (F1) Flammable liquids. 3
· IMDG, IATA	
· Class · Label · 14.4 Packing group	3 Flammable liquids. 3
DOT, ADR, IMDG, IATA	II (Cont'd. on page 10)

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

	(Cont'd. from page 9)
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler): · EMS Number:	30 F-E,S-D
• 14.7 Transport in bulk according to Annex I	
Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
 Limited quantities (LQ) 	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
-	Maximum net quantity per outer packaging: 500 ml
Transport category	2
• Tunnel restriction code	D/E
·IMDG	
 Limited quantities (LQ) 	1L
 Excepted quantities (EQ) 	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN1987, ALCOHOLS, N.O.S. (isopropyl alcohol), 3, II

SECTION 15: Regulatory information

 \cdot 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot United States (USA)

· SARA

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

67-63-0 propan-2-ol

• TSCA (Toxic Substances Control Act):

67-63-0 propan-2-ol

Proposition 65 (California):

· Chemicals known to cause cancer:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

(Cont'd. on page 11)

Safety Data Sheet according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Printing date 03.08.2015

Revision: 03.08.2015

Trade name: DisCide Ultra Disinfecting Spray

Carcinogenic Categories	(Cont'd. from page
EPA (Environmental Protection Agency)	
None of the ingredients are listed.	
 Federal Insecticide, Fungicide, and Rodenticide Act (Figure 2) EPA Product Registration : 10492-5. This chemical is a pesticide product registered by the Envicemental labeling requirements under federal pesticide classification criteria and hazard information required for non-pesticide chemicals. Following is the hazard informati PRECAUTIONARY STATEMENTS: Hazards to Humans and Domestic Animals: WARNING. On to get in eyes or on clothing. Wear protective eyewea handling, and wash clothing before reuse. Physical or Chemical Hazards: Flammable. Keep away from FIRST AID If in eyes: Hold eye open and rinse slowly and gently with water for the Remove contact lenses, if present, after the first 5 minutes Call a poison control center or doctor for treatment adviced 	vironmental Protection Agency and is subject e law. These requirements differ from safety data sheets, and for workplace label on as required on the pesticide label: Causes substantial but temporary eye injury. r. Wash thoroughly with soap and water a m heat or open flame. 15-20 minutes. s, then continue rinsing eye.
HOT LINE NUMBER Have the product container or label with you when calling treatment. You may also contact Chem Tel Inc. at 1-800-29	a poison control center or doctor, or going
IARC (International Agency for Research on Cancer)	
67-63-0 propan-2-ol	
TLV (Threshold Limit Value established by ACGIH)	
67-63-0 propan-2-ol	
NIOSH-Ca (National Institute for Occupational Safety a	nd Health)
None of the ingredients are listed.	
Canada	
Canadian Domestic Substances List (DSL)	
67-63-0 propan-2-ol	
Canadian Ingredient Disclosure list (limit 0.1%)	
None of the ingredients are listed.	
Canadian Ingredient Disclosure list (limit 1%)	
67-63-0 propan-2-ol	
Directive 2012/18/EU	
Named dangerous substances - ANNEX I	
None of the ingredients are listed.	
• Other regulations, limitations and prohibitive regulatio This product has been classified in accordance with hazard	

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA

GHS

Printing date 03.08.2015

Revision: 03.08.2015

(Cont'd. from page 11)

Trade name: DisCide Ultra Disinfecting Spray

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients are listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Liq. 2: Flammable liquids, Hazard Category 2 Acute Tox. 4: Acute toxicity, Hazard Category 4 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 · Sources SDS Prepared by: ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com