



# ChloroPrep<sup>®</sup> Solutions

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 30/03/2015

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

#### 1.1. Product identifier

Product name : ChloroPrep Solutions

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Antimicrobial

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

CareFusion  
75 N. Fairway Drive  
Vernon Hills, IL 60061  
T 800-523-0502 - F 855-329-6985

#### 1.4. Emergency telephone number

Emergency number : **For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 CCN702157  
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)  
Within EU: +(44)-870-8200418  
CHEMTREC UK (London): +(44)-870-8200418**

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP] and GHS US

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

STOT SE 3 H335

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11

Xi; R36

R67

Full text of R-phrases: see section 16

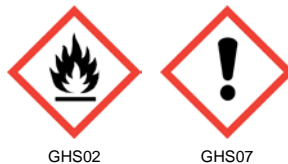
##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008 [CLP] and GHS US

Hazard pictograms :



GHS02

GHS07

Signal word : Danger

Hazard statements : H225 - Highly flammable liquid and vapor  
H319 - Causes serious eye irritation  
H335 - May cause respiratory 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

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P233 - Keep container tightly closed  
 P240 - Ground/bond container and receiving equipment  
 P241 - Use explosion-proof electrical/ventilating/lighting/... equipment  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
 P264 - Wash ... thoroughly after handling  
 P271 - Use only outdoors or in a well-ventilated area  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P312 - Call a POISON CENTER/doctor/... if you feel unwell  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P370+P378 - In case of fire: Use ... to extinguish  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
 P403+P235 - Store in a well-ventilated place. Keep cool  
 P405 - Store locked up  
 P501 - Dispose of contents/container to ...

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

ChloroPrep® Clear

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302

ChloroPrep® Hi-Lite Orange

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302
FD and C Yellow No. 6	(CAS No) 2783-94-0 (EC no) 220-491-7	0 - 0.1	Not classified	Not classified	Not classified

ChloroPrep® Teal Green

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	GHS-US classification
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	70	F; R11 Xi; R36 R67	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Flam. Liq. 2, H225
Chlorhexidine digluconate	(CAS No) 18472-51-0 (EC no) 242-354-0	2	Not classified	Acute Tox. 4 (Oral), H302	Acute Tox. 4 (Oral), H302
C.I. Food Green 3	(CAS No) 2353-45-9 (EC no) 219-091-5	0 - 0.1	Not classified	Muta. 2, H341	Muta. 2, H341

Full text of R- and H- phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If symptoms of exposure develop, move to fresh air. Seek medical attention if symptoms persist.
- First-aid measures after skin contact : Wash material off the skin with copious amounts of water. If redness or a burning sensation develops, seek medical attention and discontinue use.
- First-aid measures after eye contact : Flush with copious amounts of water. After initial flushing remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel immediately.
- First-aid measures after ingestion : Give individual one to two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. (Never give anything by mouth to an unconscious person).

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

- Symptoms/injuries after inhalation : Inhalation of vapors may cause mucous membrane and respiratory irritation and central nervous system depression with symptoms of headache, dizziness and drowsiness.
- Symptoms/injuries after skin contact : May cause irritation, drying, defatting of the skin. Prolonged contact may cause dermatitis.
- Symptoms/injuries after eye contact : Contact may cause severe irritation with redness, tearing and pain with possible eye damage.
- Symptoms/injuries after ingestion : Ingestion may cause mucous membrane and gastrointestinal irritation, abdominal pain, nausea, vomiting, dizziness and drowsiness.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Water fog, alcohol-resistant foam, carbon dioxide or dry chemical. Water spray can be used to cool exposed containers and structures, dilute spills and disperse flammable vapors.
- Unsuitable extinguishing media : None.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapor. Ampoules may explode if exposed to extreme heat or flame. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back.
- Explosion hazard : None known.

#### 5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No special measures required.

##### 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 containment and cleaning up

- For containment : Stop the flow of material, if this is without risk.
- Methods for cleaning up : Wear skin, eye and respiratory protection during cleanup. For small spills, wipe or mop up and rinse to sewer serviced by a wastewater treatment facility. For large spills, eliminate sources of ignition and ventilate spill area. Soak up liquid with inert absorbent and collect into a suitable waste container. Wash residue from spill area with water and flush to sewer serviced by a wastewater treatment facility if permitted.

#### 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 prolonged exposure (ingestion, inhalation, or skin contact). Avoid breathing vapors. Use in well-ventilated areas. Keep product away from heat, sparks and flames.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, dry, well-ventilated area away from incompatible chemicals and all sources of ignition.

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### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Isopropyl alcohol (67-63-0)		
Austria	MAK (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (short time value for large casting)
Austria	MAK (ppm)	200 ppm (short time value for large casting)
Austria	MAK Short time value (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup> 2000 mg/m <sup>3</sup> (STEL for large casting valid till 12/31/2013)
Austria	MAK Short time value (ppm)	800 ppm 800 ppm (STEL for large casting valid till 12/31/2013)
Belgium	Limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	400 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	980.0 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	1225.0 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	400 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	500 ppm
Czech Republic	Exposure limits (PEL) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Denmark	Limit (long-term) (mg/m <sup>3</sup> )	490 mg/m <sup>3</sup>
Denmark	Limit (long-term) (ppm)	200 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	250 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	620 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	250 ppm
France	VLE (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
France	VLE (ppm)	400 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	25 mg/l (Medium: whole blood - Time: end of shift - Parameter: Acetone) 25 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone)
Greece	OEL TWA (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	400 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	500 ppm
Hungary	Exposure Limit Value	500 mg/m <sup>3</sup>
Hungary	CK-érték	2000 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	150 ppm

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Isopropyl alcohol (67-63-0)		
Lithuania	TPRV (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	250 ppm
Poland	NDS (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	400 ppm
Romania	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	81 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	203 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	200 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	800 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-ED (ppm)	200 ppm (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-EC (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	400 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
Norway	TWA (AN) (mg/m <sup>3</sup> )	245 mg/m <sup>3</sup>
Norway	TWA (AN) (ppm)	100 ppm
Norway	TWA (Korttidsverdi) (mg/m <sup>3</sup> )	306.25 mg/m <sup>3</sup>
Norway	TWA (Korttidsverdi) (ppm)	150 ppm
Switzerland	VME (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Switzerland	VME (ppm)	200 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	400 ppm
Australia	TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
Australia	TWA (ppm)	400 ppm
Australia	STEL (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
Australia	STEL (ppm)	500 ppm
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	500 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	985 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	400 ppm
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	400 ppm
USA - IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>

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Isopropyl alcohol (67-63-0)		
USA - NIOSH	NIOSH REL (STEL) (ppm)	500 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	400 ppm

### 8.2. Exposure controls

Appropriate engineering controls	:	Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits. Use explosion proof equipment where required.
Hand protection	:	Latex rubber for limited contact. Butyl rubber or nitrile recommended for prolonged contact.
Eye protection	:	Safety glasses or goggles recommended if eye contact is possible.
Skin and body protection	:	Wear suitable working clothes.
Respiratory protection	:	If the exposure limits are exceeded a NIOSH/EN approved organic vapor respirator appropriate for the form and concentration of the contaminants should be used.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear in product; when activated, clear orange, teal
Color	:	Clear, orange, or teal
Odor	:	Odourless
Odor threshold	:	No data available
pH	:	7 - 7.5
Relative evaporation rate (butyl acetate=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	19.4°C (67 °F)
Auto-ignition temperature	:	2 - 12.7
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	0.88
Solubility	:	Water: Complete
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

### 9.2. Other information

VOC content	:	100 %
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Extreme heat, sparks or flame.

### 10.5. Incompatible materials

Oxidizing materials

### 10.6. Hazardous decomposition products

Carbon dioxide, carbon monoxide, nitrogen oxides, ammonia, chlorine compounds.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Isopropyl alcohol (67-63-0)	
LD50 oral rat	4396 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50 inhalation rat (ppm)	16000 ppm (Exposure time: 8 h)

Chlorhexidine digluconate (18472-51-0)	
ATE (oral)	500.000 mg/kg

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable

C.I. Food Green 3 (2353-45-9)	
IARC group	3 - Not classifiable

FD and C Yellow No. 6 (2783-94-0)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness. May cause respiratory irritation.  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Isopropyl alcohol (67-63-0)	
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	> 1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 other aquatic organisms 2	> 1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND / US DOT

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### 14.1. UN number

UN-No. : 1219

### 14.2. UN proper shipping name

Proper Shipping Name : ISOPROPANOL (ISOPROPYL ALCOHOL)

### 14.3. Transport hazard class(es)

Transport hazard class(es) : 3

Danger labels : 3



### 14.4. Packing group

Packing group : II

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR) : F1

Special provision (ADR) : 601

Limited quantities (ADR) : 1L

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19

Mixed Portable tank and bulk container instructions (ADR) : T4

Mixed Portable tank and bulk container special provisions (ADR) : TP1

ADR tank codes (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

Orange plates :



Tunnel restriction code (ADR) : D/E

EAC : •2YE

#### 14.6.2. Transport by sea

#### 14.6.3. Air transport

#### 14.6.4. Inland waterway transport

Not subjected to ADN : No

#### 14.6.5. Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions  
 Contains no REACH candidate substance  
 Contains no REACH Annex XIV substances.

VOC content : 100 %

##### 15.1.2. National regulations

###### Germany

Water hazard class (WGK) : 2 - hazardous to water

#### 15.2. Chemical safety assessment

No additional information available

#### 15.3. US Federal regulations

Isopropyl alcohol (67-63-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on SARA Section 313 (Specific toxic chemical listings)	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)

C.I. Food Green 3 (2353-45-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

Chlorhexidine digluconate (18472-51-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

FD and C Yellow No. 6 (2783-94-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

#### 15.4. US State regulations

Isopropyl alcohol (67-63-0)	
U.S. - Massachusetts - Right To Know List	
U.S. - Minnesota - Hazardous Substance List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	

### SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 2	Flammable liquids Category 2
Muta. 2	Germ cell mutagenicity Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H341	Suspected of causing genetic defects
R11	Highly flammable
R36	Irritating to eyes
R67	Vapors may cause drowsiness and dizziness
F	Highly flammable
Xi	Irritant

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*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

## SUREPREP SKIN PROTECTANT WIPE

### Section 1. Identification

Product Identifier	SUREPREP SKIN PROTECTANT WIPE		
Synonyms	MSC1500		
Manufacturer Stock Numbers	MSC1500		
Recommended use	N/A		
Uses advised against	N/A		
Manufacturer Contact Address	Medline Industries, Inc. One Medline Place Mundelein, IL, 60060 USA		
	Phone	Emergency Phone	Fax
	(800) 633-5463	(800) 424-9300	(847) 643-4436
		CHEMTREC CHEMTREC	
	Website		
	<a href="http://www.Medline.com">www.Medline.com</a>		

### Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2B FLAMMABLE LIQUIDS - Category 4 SENSITIZATION - SKIN - Category 1B
Signal Word	Warning
Pictogram	Two hazard pictograms are shown side-by-side. The first is a red diamond containing a black flame symbol, representing flammable liquids. The second is a red diamond containing a black exclamation mark, representing a general warning or irritant.
Hazard Statements	Causes eye irritation Combustible liquid

	May cause an allergic skin reaction
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: Wash with plenty of water/ ... If skin irritation or rash occurs: Get medical advice/attention. In case of fire: Use ... to extinguish. Specific treatment (see ... on this label) Wash contaminated clothing before reuse.
Prevention	Avoid breathing dust/fume/gas/mist/ vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat. Wash ...thoroughly after handling. Wear protective gloves. Wear protective gloves/eye protection/face protection
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container to ...

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

No Data Available

### Section 3. Ingredients

CAS	Ingredient Name	Weight %
67-63-0	Isopropyl alcohol	Unknown

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First-Aid Measures

Skin Contact:	Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water. Do not apply oils or ointments unless ordered by the physician.
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.
Ingestion:	If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

## Section 5. Fire Fighting Measures

Suitable Extinguishing Media      In case of fire, use Water, Carbon Dioxide (CO2), Foam, Dry Chemical Media  
Unsuitable Extinguishing Media  
Unusual Fire and Explosion Hazards  
Special Fire Fighting Procedures

## Section 6. Accidental Release Measures

No Data Available

## Section 7. Handling and Storage

Handling Non-hazardous:      This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.  
Storage Non-hazardous:      Store in original package. Discard unused portion. Do not reuse. No special storage conditions required.

## Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm STEL: 500 ppm	N/A
Personal Protective Equipment	N/A			

## Section 9. Physical and Chemical Properties

Physical State	N/A
Color	Yellow, slightly viscous liquid
Odor	Isopropanol odor
Odor Threshold	N/A
Solubility	Limited
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.85
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	50° F
FP Method	Tag closed cup
Ph	N/A
Melting Point	N.A.
Boiling Point	180° F
Boiling Range	N/A
LEL	20000
UEL	120000
Evaporation Rate	Faster
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	33
Vapor Density	Heavier

## Section 10. Stability and Reactivity

Stability:	Stable.
Incompatibility (Materials to Avoid)	
Hazardous Decomposition or Byproducts	None
Hazardous Polymerization	N.D.
Conditions to avoid	None

## Section 11. Toxicological Information

No Data Available

## Section 12. Ecological Information

No Data Available

## Section 13. Disposal

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Limited Quantity
DOT Classification	Limited Quantity
Packing Group	N/A

## Section 15. Regulatory Information

No Data Available

## Section 16. Other Information

Revision Date	5/29/2015
	No Data Available



Medline Industries, Inc.

One Medline Place  
Mundelein, IL 60060.4486

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**Corporate Quality Assurance/Regulatory Affairs**

June 10, 2015:

Subject: Safety Data Sheets

Item: **Tracheostomy Clean and Care Kits**

The item(s) referenced above for which you have requested a Safety Data Sheet are manufactured or distributed by Medline Industries, Inc. and are retailed as a medical device, drug, cosmetic or article. Products of this type are not subject to the Hazard Communication Standard (29 CFR 1910.1200). This exemption is set forth in the following sections:

Section b (5) (iii) Any food, food additive, color additive, cosmetic, drug, medical device or product, including materials intended for use as ingredients in such products (e.g., flavors and fragrances), as such terms are defined in the Federal Food, Drug and Cosmetic Act (21 U.S.C. 301 *et seq.*) and regulations issued under the Act, when they are subject to the labeling requirements of the Act and labeling regulations issued under that Act by the Food and Drug Administration;

Section b (5) (v) Any consumer product or hazardous substance as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 2051 *et seq.*) and the Federal Hazardous Substance Act (15 U.S.C. 1261 *et seq.*) respectively. When subject to a consumer product safety standard or labeling requirements of those Acts, or regulations issued under those Acts by the Consumer Product Safety Commission;

Section b (6) This section does not apply to:

Section b (6) (v) Articles (as that term is defined in paragraph (c) of this section);

Section b (6) (vii) Any drug, as that term is defined in the Federal Food, Drug and Cosmetic Act (21 U.S.C. 301 *et seq.*), when it is in solid, final form for direct administration to the patient (e.g., tablets or pills); drugs which are packaged by the chemical manufacturer for sale to consumers in a retail establishment (e.g., over-the-counter drugs); and drugs intended for personal consumption by employees while in the workplace (e.g., first aid supplies);

Section b (ix) Any consumer product or hazardous substance, as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 1261 *et seq.*) and Federal Hazardous Substance Act (15 U.S.C. 1261 *et seq.*) respectively, where the employer can demonstrate it is used in the work place in the same manner as normal consumer use, and which use results in a duration and frequency of exposure which is not greater than exposures by consumers.

Section (c) *Definitions.*

Article means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees

Every effort is made to provide products which are properly labeled and safe for their intended use. It is the user's responsibility both to determine safe conditions for use of this product and assume liability for loss, injury, damage or expense resulting from any misuse of the product.

These products, in their marketed packaging, are generally not considered hazardous under normal conditions of use when used in accordance with labeling instructions.

Sincerely,

Medline Regulatory Affairs

847.949.5500 x4678

800.950.0128

Fax 847.949.2643



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