



SECTION 1: IDENTIFICATION 1.1 **Product identifier:** 29380 - SC GEL HAND SANITIZER Other means of identification: 29380 Recommended use of the chemical and restrictions on use: 1.2 Relevant uses: Hand sanitising gel Uses advised against: All uses not specified in this section or in section 7.3 1.3 **Initial supplier identifier:** Charlotte Products Ltd. 2060 Fisher Drive K9J 6X6 Peterborough - Ontario - Canada Phone: 705-740-2880 - Fax: 705-745-1239 www.charlotteproducts.com Emergency phone number: Infotrac 1-800-535-5053 (North America), 011-1-352-323-3500 (International) 1.4 SECTION 2: HAZARD IDENTIFICATION 2.1 Classification of the substance or mixture: WHMIS 2015: Classification of this product has been carried out in accordance with Part 2 of Hazardous Products Regulations (SOR/2015-17 amended by SOR/2022-272) Eye Irrit. 2: Eye irritation, Category 2, H319 Flam. Liq. 2: Flammable liquids, Category 2, H225 Label elements: 2.2

NULL

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WHMIS 2015:

Danger



Hazard statements:

Eye Irrit. 2: H319 - Causes serious eye irritation.

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

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264: Wash thoroughly after use.

P280: Wear protective gloves/protective clothing/eye protection/protective footwear.

P303+P361+P353: IF ON SKIN (or hair): Remove/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.

P501: Dispose of contents and / or their container according to the separated collection system used in your municipality.

Additional labeling:



DANGER





SECTION 2: HAZARD IDENTIFICATION (continued)

 CCCR 2001 >> Sub-Category "Irritant": Eyes. CAUTION.
 IRRITANT. MAY IRRITATE EYES. Do not get in eyes. Keep out of reach of children.
 FIRST AID TREATMENT
 If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes.
 CCCR 2001 >> Sub-Category: Flammable
 FLAMMABLE
 CONTENTS MAY CATCH FIRE. Do not smoke. Use only in a well-ventilated area.Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor.
 2.3 Health and physical hazards not otherwise classified (HHNOC - PHNOC):

Not relevant

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Alcohols

Components:

In accordance with Schedule I of the Hazardous Products Regulations (SOR/2015-17), the product contains:

	Identification	Chemical name/Classification	Concentration
		ethanol	60 480 %
CAS:	64-17-5	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Danger	60 - <80 %

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact:

In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product. **By ingestion/aspiration:**

In case of consumption, seek immediate medical assistance showing the SDS of this product.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Not relevant

SECTION 5: FIRE-FIGHTING MEASURES



SECTION 5: FIRE-FIGHTING MEASURES (continued)

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

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5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Special protective equipment and precautions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

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SECTION 7: HANDLING AND STORAGE (continued)

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:	5 °C
Maximum Temp.:	30 °C
Maximum time:	6 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

British Columbia - Occupational Health and Safety Regulation section 5.48 (Updated June 22, 2022):

Identification	Occupational exposure limits		
ethanol	TLV-TWA		
CAS: 64-17-5	TLV-STEL	1000 ppm	

ALBERTA - Occupational Health and Safety Code:

Identification	Occupational exposure limits		
ethanol	8-hour	1000 ppm	1880 mg/m ³
CAS: 64-17-5	15-minute		

8.2 Appropriate engineering controls:

A.- Individual protection measures, such as personal protective equipment

Revised: 2023-11-21

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
Mandatory hand protection	Chemical protective gloves (Material: Linear low -density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.
	a mixture of several substances, the resi I has therefore to be checked prior to th	istance of the glove material can not be calculated in advance with a application.

D.- Eye and face protection

Version: 3 (Replaced 2)



Safety data sheet According to WHMIS 2015 (amended by SOR/2022-272)

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			OLS/PERSONAL PROT			
	Pictogram		PPE			Remarks
	Panoramic glasses against splash/proje			iections. Clean daily and disinfect periodically according to the manufacturer 's inst Use if there is a risk of splashing.		
E Bod	dily protection					
	Pictogram PPE					Remarks
A Mandatory complete		Antista	atic and fireproof protective clothing		Limited prote	ection against flames.
t	body protection					
1	Mandatory foot protection	Safety	footwear with antistatic and he resistant properties	eat	Replace boots at	any sign of deterioration.
F Add	ditional emerge	ency mea	isures			
	Emergency mea	isure	Standards		Emergency measure	Standards
	Emergency sho	ower	ANSI Z358-1 ISO 3864-1:2011, ISO 386	54-4:2011	Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
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SEC	TION 9: PHYSICAL AND CHEMICAL PROPERTIES	G (continued)
	Dynamic viscosity at 20 °C:	6000 cP
	Kinematic viscosity at 20 °C:	1.85 mm²/s
	Kinematic viscosity at 40 °C:	Not relevant *
	Concentration:	Not relevant *
	pH:	7.5 - 8.5
	Relative vapour density at 20 °C:	Not relevant *
	Partition coefficient — n-octanol/water (logarithmic value) 20 °C:	Not relevant *
	Solubility in water at 20 °C:	Not relevant *
	Solubility properties:	Not relevant *
	Decomposition temperature:	Not relevant *
	Melting point/freezing point:	Not relevant *
	Flammability:	
	Flash Point:	21 °C
	Flammability (solid, gas):	Not relevant *
	Autoignition temperature:	423 °C
	Lower flammability limit:	Not available
	Upper flammability limit:	Not available
	Particle characteristics:	
	Median equivalent diameter:	Non-applicable
9.2	Other information:	
	Information with regard to physical hazard class	Ses:
	Explosive properties:	Not relevant *
	Oxidising properties:	Not relevant *
	Corrosive to metals:	Not relevant *
	Heat of combustion:	Not relevant *
	Aerosols-total percentage (by mass) of flammable components:	Not relevant *
	Other safety characteristics:	
	Surface tension at 20 °C:	Not relevant *
	Refraction index:	Not relevant *
	*Not relevant due to the nature of the product, not providing info	mation property of its hazards.

CECTION 1		
		AND REACTIVITY
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10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction Contact	with air Increase in tempera	ture Sunlight	Humidity
Not applicable Not app	licable Risk of combustio	n Avoid direct impact	Not applicable

10.5 Incompatible materials:

Safety data sheet According to WHMIS 2015 (amended by SOR/2022-272)



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	Acids	Water	Oxidising materials	Combustible materials	Others
	Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases
0.6	Hazardous decompositi See subsection 10.3, 10.4 complex mixtures of chemi	and 10.5 to find out the			
FCT	ION 11: TOXICOLOGIC				
	Information on toxicolo				
	The experimental informati	-	ogical properties of the pro	duct itself is not available	2
	Dangerous health impli	cations:			
	In case of exposure that is limits, it may result in adve A- Ingestion (acute effect)	erse effects on health dep			occupational exposure
	hazardous for consump - Corrosivity/Irritability	tion. For more information y: Based on available dat for this effect. For more	classification criteria are no on see section 3 ta, the classification criteria information see section 3.		
 Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances as hazardous for inhalation. For more information see section 3. Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3. Contact with the skin and the eyes (acute effect): 					
 Contact with the skin: Based on available data, the classification criteria are not met, as it does not co classified as hazardous for skin contact. For more information see section 3. Contact with the eyes: Produces eye damage after contact. D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction): 					not contain substances
	as hazardous for the ef IARC: ethanol (1); H - Mutagenicity: Based hazardous for this effec - Reproductive toxicity	fects mentioned. For mo ydrogen peroxide solution on available data, the cl tt. For more information y: Based on available dat	assification criteria are not	3. met, as it does not conta	in substances classified as
	hazardous with sensitis - Skin: Based on avail	ing effects. For more info able data, the classificati t. For more information	on criteria are not met, as see section 3.		
	Based on available data	a, the classification criter formation see section 3.	ia are not met, as it does r	ot contain substances cla	ssified as hazardous for
	 Specific target orgar it does not contain subs Skin: Based on avail 	n toxicity (STOT)-repeate stances classified as haza	d exposure: Based on avai ardous for this effect. For r on criteria are not met, as	nore information see sect	ion 3.
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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Not relevant

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
ethanol	LD50 oral	6200 mg/kg	Rat
CAS: 64-17-5	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation	124.7 mg/L (4 h)	Rat

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

Identification	Concentration		Species	Genus
ethanol	LC50	11000 mg/L (96 h)	Alburnus alburnus	Fish
CAS: 64-17-5	EC50	9268 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Algae

Chronic toxicity:

Identification	Concentration		Species	Genus
ethanol	NOEC	250 mg/L	Danio rerio	Fish
CAS: 64-17-5	NOEC	2 mg/L	Ceriodaphnia dubia	Crustacean

12.2 Persistence and degradability:

Substance-specific information:

Identification	Degradability		Biodegradability	
ethanol	BOD5	Not relevant	Concentration	100 mg/L
CAS: 64-17-5	COD	Not relevant	Period	14 days
	BOD5/COD	Not relevant	% Biodegradable	89 %

12.3 Bioaccumulative potential:

Substance-specific information:

Identificatio	Bioaccumulation potential		
ethanol		BCF	3
CAS: 64-17-5		Pow Log	-0.31
		Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
ethanol	Кос	1	Henry	4.61E-1 Pa·m ³ /mol
CAS: 64-17-5	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.339E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):





SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

Canadian Environmental Protection Act, 1999

SECTION 14: TRANSPORT INFORMATION

With regard to	Transpor	tation of Dangerous Goods Regula	tions (SOR/2001-286) including Amendments:	
	14.1	UN number:	UN1987	
	14.2	United Nations proper shipping name:	ALCOHOLS, N.O.S. (ethanol)	
	14.3	Transport hazard class(es):	3	
3		Labels:	3	
•		Packing group:	II	
		Environmental hazard:	No	
	14.6	Special precautions which a user needs to be aware of, or needs to comply with, i connection with transport or conveyance either within or outside their premises		
		Physico-Chemical properties:	see section 9	
	14.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Not relevant	
Transport of d	langero	us goods by sea:		
With regard to I	IMDG 41	-22:		
	14.1	UN number:	UN1987	
		United Nations proper shipping name:	ALCOHOLS, N.O.S. (ethanol)	
	14.3	Transport hazard class(es):	3	
$\langle - \rangle$		Labels:	3	
3		Packing group:	II	
		Marine pollutant:	No	
	14.6	· ·	user needs to be aware of, or needs to comply with, in conveyance either within or outside their premises	
		Special regulations:	274	
		EmS Codes:	F-E, S-D	
		Physico-Chemical properties:	see section 9	
		Limited quantities:	1 L	
		Segregation group:	Not relevant	
	14.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Not relevant	
Transport of d	langero	us goods by air:		
With regard to 1		0 2024		





SECTION 14: TRANSF	SECTION 14: TRANSPORT INFORMATION (continued)				
	14.1	UN number:	UN1987		
	14.2	United Nations proper shipping name:	ALCOHOLS, N.O.S. (ethanol)		
	14.3	Transport hazard class(es):	3		
3		Labels:	3		
•	14.4	Packing group:	II		
	14.5	Environmental hazard:	No		
	14.6	Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises			
		Physico-Chemical properties:	see section 9		
	14.7	Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Not relevant		

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question:

- Domestic Substances List (DSL): *ethanol (64-17-5)*
- Non-Domestic Substances List (NDSL): Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

Other legislation:

Canadian Environmental Protection Act, 1999

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Part 4 and Schedule I of the Hazardous Products Regulations (SOR/2015-17), amended by SOR/2020-38 and SOR/2022-272.

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H225: Highly flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

WHMIS 2015:

Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

http://whmis.org/

Abbreviations and acronyms:

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

- COD: Chemical Oxygen Demand BOD5: 5-day biochemical oxygen demand
- BCF: Bioconcentration factor LD50: Lethal Dose 50 CL50: Lethal Concentration 50
- EC50: Effective concentration 50
- Log-POW: Octanol-water partition coefficient
- Koc: Partition coefficient of organic carbon
- IARC: International Agency for Research on Cancer





SECTION 16: OTHER INFORMATION (continued)

Date of compilation: 2023-08-25 Revised: 2023-11-21

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET

Version: 3 (Replaced 2)

Date of compilation: 2023-08-25

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