



Telephone: (518) 861-0133

Hand Sanitizer Spray

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: Hand Sanitizer Spray

Other means of identification: 299-34417 (2 oz bottle)

299-34418 (4 oz bottle)

Recommended use of the chemical and restrictions on use

Personal Care Applications Restriction on use: None known

Chemical family : Mixture.

Name, address, and telephone number

of the supplier:

Protective Industrial Products

968 Albany Shaker Road Latham, NY, USA 12110

Supplier's Telephone # (518) 861-0133 Customer Service Direct # (855) 284-6800 Name, address, and telephone number

of the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear, colorless liquid. Alcohol odor

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

Label elements

Hazard pictogram(s)

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

Signal Word

None required.

Hazard statement(s)

Not required

Precautionary statement(s)

Not required

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS#	Concentration (% by weight)
Ethanol	Alcohol Ethyl alcohol	64-17-5	60.0 - 80.0



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Triethanolamine	2,2',2"-Nitrilotriethanol Tris(2-hydroxyethyl)amine	102-71-6	0.1 - 1.0
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The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion: None required when used as intended. In the case of accident or if you feel unwell,

seek medical advice immediately (show the label where possible).

Inhalation: None required when used as intended.

Skin contact: None required when used as intended. If skin irritation or rash occurs: Get medical

advice/attention.

Eye contact: If in eyes, rinse with water for 15 minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

: None expected, when used as intended.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Dry chemicals. Foam. Carbon dioxide (CO2). Water or fog spray.

Unsuitable extinguishing media

: Do not use water jet as extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Highly flammable liquid and vapor.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable liquids - Category 2

Hazardous combustion products

: Carbon oxides.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

: Fight fires from a safe distance. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

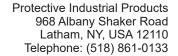
: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection, see section 8 of the SDS.

Environmental precautions : Do no

Do not allow material to contaminate ground water system. For large spills, dike the area to prevent spreading.

Methods and material for containment and cleaning up

: Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).





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Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802). US CERCLA Reportable quantity (RQ): None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources -No smoking. Do not ingest or swallow. Observe good industrial hygiene practices.

Conditions for safe storage

Incompatible materials

Strong oxidizing agents. Acids.

Keep containers closed when not in use.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:					
Chemical Name	ACGI	1 TLV	OSHA PEL		
	TWA	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>	
Ethanol	N/Av	1000 ppm	1000 ppm (1900 mg/m³)	N/Av	
Triethanolamine	5 mg/m³	N/Av	N/Av	N/Av	

Exposure controls

Skin protection

Eye / face protection

Ventilation and engineering measures

: None required when used as intended. Respiratory protection : None required when used as intended. None required when used as intended. None required when used as intended. Other protective equipment: None required when used as intended.

General hygiene considerations

: Avoid breathing mist or vapor. Do not ingest.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear colourless liquid.

Odour Alcohol **Odour threshold** Not available. pН : Not available. Melting Point/Freezing point: Not available.

Initial boiling point and boiling range

: Not available.

13 Flash point Flashpoint (Method) Closed cup

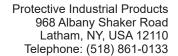
Evaporation rate (BuAe = 1) : Not available. Flammability (solid, gas) Not applicable.

Lower flammable limit (% by vol.)

3.3%

Upper flammable limit (% by vol.)

: 19%





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Oxidizing properties : Not applicable
Explosive properties : Not explosive
Vapour pressure : Not available.
Vapour density : Not available.

Relative density / Specific gravity

: Not available.

Solubility in water : Complete
Other solubility(ies) : Not available.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Not available.

Volatiles (% by weight) : Not available.

Volatile organic Compounds (VOC's)

: Not available.

Absolute pressure of container

: Not available.

Flame projection length : Not available.

Other physical/chemical comments

: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : The product is stable and non-reactive under normal conditions of use, storage and

transport.

Chemical stability : Material is stable under normal conditions.

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid : Keep away from heat, sparks and open flames.

Incompatible materials : Oxidizing agents Acids

Hazardous decomposition products

: None known or reported by the manufacturer.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES
Routes of exposure skin absorption

: YES

Potential Health Effects:

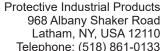
Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

None expected, when used as intended.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.





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Sign and symptoms skin : None expected, when used as intended.

Sign and symptoms eyes : None expected, when used as intended. Direct eye contact may cause irritation.

Potential Chronic Health Effects

Prolonged or repeated skin contact may cause drying and irritation. Prolonged

overexposure may cause liver and kidney effects.

Mutagenicity : Not expected to be mutagenic.

Carcinogenicity : This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

Sensitization to material : Not expected to be a skin or respiratory sensitizer.

Specific target organ effects: None expected, when used as intended.

Medical conditions aggravated by overexposure

: None reported by the manufacturer. : None reported by the manufacturer.

Toxicological data There is no available data for the product itself, only for the ingredients. See below for

individual ingredient acute toxicity data.

	LC50(4hr)	LD ₅₀		
Chemical name	inh, rat	(Oral, rat)	(Rabbit, dermal)	
Ethanol	> 32 380 ppm (61 mg/L) 4 hours (vapour)	7060 mg/kg	> 15 800 mg/kg	
Triethanolamine	N/Av	6110 mg/kg	> 19 870 mg/kg	

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

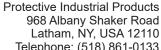
: The product is not classified as environmentally hazardous. Avoid release to the **Ecotoxicity**

environment.

Ecotoxicity data:

<u>Ingredients</u>	040#	Toxicity to Fish				
	CAS#	LC50 / 96h	NOEC / 21 day	M Factor		
Ethanol	64-17-5	> 100 mg/L Fathead minnow (Pimephales promelas)	N/Av	N/Av		
Triethanolamine	102-71-6	11 800 mg/L Fathead minnow (Pimephales promelas)	N/Av	N/Av		

<u>Ingredients</u>	CAS#	Toxicity to Daphnia				
		EC50 / 48h	NOEC / 21 day	M Factor		
Ethanol	64-17-5	5012 mg/L Water flea (Daphnia magna)	N/Av	N/Av		
Triethanolamine	102-71-6	609.88 mg/L Water flea (Ceriodaphnia dubia)	16 mg/L Water flea (Daphnia magna)	N/Av		





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<u>Ingredients</u>	CAS#	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
Ethanol	64-17-5	1000 mg/L/96hr Green algae (Selenastrum capricornutum)	N/Av	N/Av		
Triethanolamine	102-71-6	512 mg/L/72hr Green algae (Desmondesmus subspicatus)	N/Av	N/Av		

Persistence and degradability

: Expected to be biodegradable

Bioaccumulation potential : No data is available on the product itself.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Ethanol (CAS 64-17-5)	- 0.31	N/Av
Triethanolamine (CAS 102-71-6	-2.53	<3.9 BCF method: OECD 30

Mobility in soil

: There is no data available for this product.

Other Adverse Environmental effects

: None known or reported by the manufacturer.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

See Section 7 (Handling and Storage) for further details. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not cut, weld, drill or grind on or near this container.

Methods of Disposal

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA

If the product becomes a waste, it may meet the criteria of a hazardous waste according to the US RCRA Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.



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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None	Limited Quantity	LQ ground	none	\Diamond
49CFR/DOT Additional information	May be shipped 30 kg gross ma	d as LIMITED QUANTITY when transported in quantities no less.	o larger than 1	Litre, in pac	ckages not exceedir
ICAO/IATA	UN1170	Ethanol	3	II	3
ICAO/IATA Additional information	Refer to ICAO/	ATA Packing Instruction			
TDG	None	Limited Quantity	LQ ground	none	\Diamond
TDG Additional information	May be shipped 30 kg gross ma	d as LIMITED QUANTITY when transported in quantities no less.	o larger than 1	Litre, in pac	ckages not exceedir
IMDG	None	Limited Quantity	LTD QTY	none	\Diamond
IMDG Additional information	May be shipped 30 kg gross ma	d as LIMITED QUANTITY when transported in quantities no less.	o larger than 1	Litre, in pac	ckages not exceedir

Special precautions for user: Keep away from heat and flame.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture,

according to the IMDG Code. See Section 12 for more environmental information.

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

: Not established.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>		TSCA	CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
	CAS#	CAS # Inventory	Quantity(RQ) (40 CFR 117.302):	Hazardous Substance, 40 CFR 355:	Toxic Chemical	de minimus Concentration
Ethanol	64-17-5	Yes	N/Ap	N/Ap	No	N/Ap
Triethanolamine	102-71-6	Yes	N/Ap	N/Ap	No	N/Ap

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: Flammable; Eye irritation; ;Specific target organ toxicity, single exposure .Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.



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US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS#	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethanol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Triethanolamine	102-71-6	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes

Canadian Information:

All components of this product are on the Canadian DSL list.

WHMIS Classification: See Section 2.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS#	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethanol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144
Triethanolamine	102-71-6	203-049-8	Present	Present	(2)-308	KE-25940	Present	HSR002785

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists

CA: California

CAS: Chemical Abstract Services

CEPA: Canadian Environmental Protection Act

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

of 1980

CFR: Code of Federal Regulations CSA: Canadian Standards Association DOT: Department of Transportation DSL: Domestic Substances List EPA: Environmental Protection Agency

HPA: Hazardous Products Act

HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer IATA: International Air Transport Association ICAO: International Civil Aviation Organisation IMDG: International Maritime Dangerous Goods

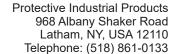
Inh: Inhalation

LC: Lethal Concentration

LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/Ap: Not Applicable
N/Av: Not Available
NJ: New Jersey

NOEC: No observable effect concentration

NTP: National Toxicology Program





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OECD: Organisation for Economic Co-operation and Development

OEL: National occupational exposure limits

OSHA: Occupational Safety and Health Administration

PA: Pennsylvania

PEL: Permissible exposure limit PPE: Personal Protective Equipment

RCRA: Resource Conservation and Recovery Act

RI: Rhode Island

RQ: Reportable Quantity

RTECS: Registry of Toxic Effects of Chemical Substances SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values TWA: Time Weighted Average WEL: Workplace Exposure Limit

WHMIS: Workplace Hazardous Materials Identification System

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents &

Biological Exposure Indices for

2. ECHA - European Chemical Agency

3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases,

(Chempendium, HSDB and RTECs).
4. Safety Data Sheets from manufacturer.

5. US EPA Title III List of Lists6. California Proposition 65 List

7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

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Prepared by:

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