

Safety Data Sheet

Hand Disinfectant Gel



Section 1. Identification of the material and the supplier

Product: **Bosklein Hand Disinfectant Gel**
Item Code: 406XXX
Product Use: Hand Disinfectant
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Eagle Protect**
Address: Unit 5, EPIC
76/106 Manchester Street
Christchurch Central, 8011
Telephone: 0800 633 468
Fax Number: 0800 633 467
Website: www.eagleprotect.co.nz

Emergency Telephone: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 10 July 2018

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Cosmetic Products – HSR002552

Pictograms



Flammable Irritant

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

Prevention Code	Prevention Statement
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.

Product Name: EP Hand Disinfectant Gel
Date of SDS: 10 July 2018

Prepared by: Technical Compliance Consultants (NZ)
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P241	Use explosion-proof electrical/ventilating/lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use alcohol resistant foam, water spray, carbon dioxide and dry chemical powder for extinction.

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethanol	60-65	64-17-5
Non Hazardous	To bal	Proprietary

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed:

Skin Contact:	Not applicable.
Eye Contact	Causes serious eye irritation.
Ingestion:	There may be irritation of the throat.
Inhalation:	There may be a feeling of tightness in the chest with shortness of breath.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable.
Hazards from	In combustion emits toxic fumes. Forms explosive air-vapour mixture.

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combustion products	Vapour may travel considerable distance to source of ignition and flash back.
Suitable Extinguishing media	Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Do not use high volume water jet.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Keep containers cool by spraying with water if exposed to fire.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

Do not discharge into drains or rivers. Contain the spillage using bunding.

Turn leaking containers leak-side up to prevent the escape of liquid.

Do not use equipment in clean-up procedure which may produce sparks. Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wash hands thoroughly after handling.
- Ensure there is sufficient ventilation of the area.
- Do not handle in a confined space.
- Avoid the formation or spread of mists in the air.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in a well-ventilated place. Keep cool.
- Keep container tightly closed.
- Keep away from sources of ignition.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Ethanol (Ethyl alcohol) [64-17-5]	1,000	1,880		

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.*

ETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	343mg/kg	Workers	-
DNEL	Dermal	206mg/kg	Consumers	-

Engineering Controls

Ensure there is sufficient ventilation of the area.

Personal Protection Equipment

Eyes	Tightly fitting safety glasses with side shields. Avoid wearing contact lenses.
Hands and skin	Not required.
Respiratory	Respiratory protection not required.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Violet
Odour	Alcoholic
Odour Threshold	Not available
pH	6.50 – 7.50
Boiling Point	82°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	22.7°C
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	Not available
Water Solubility	Soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Viscous
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions.
Conditions to Avoid	Heat. Hot surfaces. Sources of ignition. Flames.
Incompatible Materials	Strong oxidising agents. Strong acids.
Hazardous Decomposition Products	In combustion emits toxic fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
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Dermal	There may be irritation of the throat.
Inhalation	There may be a feeling of tightness in the chest with shortness of breath.
Eye	Causes severe eye irritation. There may be irritation and redness. The eyes may water profusely.
Skin	Not applicable

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Hazardous Ingredients:

Ethanol
Oral Rat LD50 >2000 mg/Kg

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	Biodegradable.
Bioaccumulation	No bioaccumulation potential.
Mobility in Soil	Readily absorbed into soil.
Other adverse effects	Negligible ecotoxicity.

Section 13. Disposal Considerations

Disposal Method: Transfer to a suitable container and arrange for collection by specialised disposal company. Triple rinse container before disposal. Treat rinsate as hazardous and dispose of appropriately. Ensure any container holding waste product, rinsate, or contaminated spill media is labelled "Hazardous Waste – Flammable," and that the label also has the Flammable and Pictograms, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road and Rail Transport

UN No: 1170
Class-primary 3
Packing Group II
Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Air Transport

UN No: 1170
Class-primary 3
Packing Group II

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Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Marine Transport

UN No: 1170

Class-primary 3

Packing Group II

Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

If total quantity of product shipment is below 1L, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information. Talk to your logistics or courier company for further information.

Section 15 Regulatory Information

EPA Approval Code: Cosmetic Products – HSR002552

HSNO Classification: 3.1B, 6.4A

HSNO Controls:

Trigger quantities for this substance:

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L(>5L), 250L(<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L (3.1B)
Emergency Response Plan	1000L (3.1B)
Secondary Containment	1000L (3.1B)
Fire Extinguisher	250L x 2
Restriction of Use	None

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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