Safety Data Sheet
FORCEFIELD
4in1 + Protector

Issue Date: 26th of April 2022
Revision No: 1.6

1. Chemical Product and Company Identification

Product Name	FORCEFIELD – 4in1 + Protector None
Other Means of Identification	4in1 + Protector
Product Code	Surface disinfectant
Product Use	
Supplier	Forcefield Hygiene Technologies PTY LTD
Mail Address	P.O. Box 578 Bribie Island QLD, 4507 Australia
Email	admin@forcefield.net.au
Telephone:	1300 569 990
Emergency Telephone:	Poisons Information Centre (National) 131126

2. Hazards Identification

Classification of the substance or mixture
This product is classified as: Not classified as hazardous according to the criteria of SWA.
Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

Risk Phrases: Safety Phrases:	Not Hazardous - No criteria found. S23, S25, S36. Do not breathe spray mists. Avoid contact with eyes. Wear suitable protective clothing. Whilst fogging or atomizing this product the use of a P2/N95 respirator is required.
SUSMP Classification:	None allocated.
ADG Classification:	None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria. None allocated
UN Number:	

SIGNAL WORD NONE. **Not hazardous.**

Prevention

P102:	Keep out of reach of children.
P262:	Do not get in eyes.
P281:	Use personal protective equipment as required.

Read the SDS before using this product.

u **Response**

P301 P330+P331:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P370+P378:	In case of fire, use carbon dioxide, dry chemical, foam, water fog.

Storage

P404:	Store in a closed container.

Disposal

P501:	Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For

larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

3. Composition/Information on Ingredients

Chemical Name	CAS Number	% Weight	Hazard Information
Quaternary ammonium compounds	Proprietary	<2%	H226: Flammable liquid and vapour. 2 H302: Harmful if swallowed H314; Causes severe skin burns and eye damage. H302: Harmful if swallowed.

The remaining components are either not hazardous or below the reporting threshold.

4. First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor. If swallowed, do NOT induce vomiting. Immediately give a glass of water.
Inhalation	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
Skin	Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes.
Eyes	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.
Ingestion	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media	Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting	If a significant quantity of this product is involved in a fire, call the fire brigade.
Fire and Explosion Hazards	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Fire decomposition products from this product are not expected to be hazardous or harmful. Does not burn.
Flash point: Upper Flammability Limit:	Does not burn.
Lower Flammability Limit: Autoignition temperature:	Does not burn.
Flammability Class:	Not applicable - does not burn.
	Does not burn.

6. Accidental Release Measures

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern

Refer Section 8 for personal protection.

7. Precautions for handling and storage

Precautions for safe handling

	When not being used, the product containers should be stored upright, and secured with the original closure. If transfer to another container becomes necessary ensure that the container is clearly labelled, the container is of a type suitable for the product, and is clean and free of other materials. Do not eat, drink or smoke in contaminated areas.
Storage	Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

8. Exposure controls /personal protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits **TWA (mg/m^3)** **STEL (mg/m^3)**
Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is needed when occasionally handling small quantities. The following instructions are for bulk handling of 1000ltrs or more.

Ventilation:	This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Eye Protection:	Protective glasses or goggles must be worn when this product is being used. Failure to protect your eyes may lead to severe harm to them or to general health. Emergency eye wash facilities must also be available in an area close to where this product is being used.
Skin Protection:	Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.
Protective Material Types:	We suggest that protective clothing be made from the following materials: rubber, PVC.
Respirator:	Usually, no respirator is necessary when using this product. However, if using product in fogging application the use of a n95 / P2 mask is required.

Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

9. Physical and chemical properties

Physical Description & colour:	opaque mobile liquid
Odour:	mild fragrance
Boiling Point: Freezing/ Melting Point: Volatiles:	Approximately 100°C at 100kPa. Lower than 0o C.
Vapour Pressure:	Water component.
Vapour Density:	2.37 kPa at 20°C (water vapour pressure). No data.
Specific Gravity: Water Solubility:	1.01 Completely soluble in water.
pH:	5.5-6.5 range
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data
Coeff Oil/water distribution:	No data

10. Stability and Reactivity

Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid	This product should be kept between 10-30°C. Keep containers tightly closed.
Incompatible Materials Fire Decomposition	No particular Incompatibilities. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death. This product will not undergo polymerisation reactions.
Polymerisation	

11. Toxicological information

Toxicological Endpoint Value

Acute Oral Toxicity **Acute Dermal Toxicity Acute** **Inhalation toxicity Skin irritation** **Eye irritation** **Skin sensitisation**	Not hazardous based on calculation of components Not hazardous based on calculation of components Not hazardous based on calculation of components Not hazardous based on calculation of components Not hazardous based on calculation of components Not hazardous based on calculation of components
Repeat dose toxicity (Short term)	Data not available
Germ cell mutagenicity	None of the components of the mixture are classified as genotoxic.
Carcinogenicity	None of the components of the mixture are classified as carcinogenic
Reproductive toxicity	None of the components of the mixture are classified as toxic to reproduction

12. Ecological information

Environmental	This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. Expected to not be an environmental hazard.

13. Disposal considerations

Disposal	Containers should be emptied as completely as practical before disposal. If possible, recycle product and containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

14. Transport Information

UN Number	This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

15. Regulatory Information

AICS	All of the significant ingredients in this formulation are compliant with NICNAS regulations.

16. Other information

Abbreviations

AICS	Australian Inventory of Chemical Substances
CAS Number	Unique Chemical Abstracts Service Registry Number
EC50	Ecotoxic Concentration 50% — concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species)
ES	Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed in a work day
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
HAZCHEM Code	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit
LD50	Lethal Dose 50% — dose which is fatal to 50% of a test population (usually rats).
LC50	Lethal Concentration 50% — concentration in air which is fatal to 50% of a test population (usually rats)
NICNAS	National Industrial Chemicals Notification and Assessment Scheme
Peak Limitation	Peak Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time.
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded
TWA	Time Weighted Average — generally referred to ES averaged over typical work day (usually 8 hours)
UEL	Upper Explosive Limit
UN Number	United Nations Number

References

Data	Unless otherwise stated comes from IUCLID datasheet for the specific chemical.
NOHSC: 1003	National Occupational Health and Safety Commission 1995, Exposure Standards for Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(199511
Date of Issue	26th of April 2022
Changes Made	Update to Company details
References	Australian Dangerous Goods Code Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP) Guidance
Contact Person/Point	Australia 24 HOUR EMERGENCY CONTACT Poisons Information Centre 13 11 26
Legal Disclaimer	The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

End of SDS