SAFETY DATA SHEET

PROSPOT PLUS

CLEANING SYSTEMS LIMITED

Catalogue number: **FT462**
Version No: **3.1**
Issue date: **15/09/2022**

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	PROSPOT PLUS
Product code	FT462
Pack sizes	500ml and 5L

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Multitask encapsulating carpet stain remover

Details of the manufacturer/importer

Registered company name	CLEANING SYSTEMS LIMITED
Address	331A East Tamaki Road, East Tamaki, Auckland, 2013, NZ
Telephone	+64 9579 4114, 0800 100 117
Website	www.cleaningsystems.co.nz
Email	sales@cleaningsystems.co.nz

Emergency telephone number

Association / Organisation	National Poisons Centre
Emergency telephone numbers	0800-764-766 (0800 POISON)
Other emergency telephone numbers	Not Available

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the criteria of New Zealand HSNO Hazardous Substances (Hazard Classification) Notice 2020 and New Zealand NZS5433.

Poisons Schedule	Not Applicable
Hazard Classification	Skin corrosion/irritation – Category 2, Serious eye damage/irritation – Category 1
	Classification drawn from HCIS and ECHA C&L Inventory

Label elements

Hazard pictograms	
SIGNAL WORD	**DANGER**

Hazard statement(s)

H315	Causes skin irritation
H318	Causes serious eye damage

Precautionary statement(s) Prevention

P280	Wear protective gloves and eye/face protection
P264	Wash exposed skin thoroughly after handling

Precautionary statement(s) Response

P302+P352+P332+P313	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advise/attention.
P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor
P362	Take off contaminated clothing and wash before reuse.

Precautionary statement(s) Storage
Not applicable

Precautionary statement(s) Disposal
Not applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances
See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
151-21-3	<10	Sodium lauryl sulphate
111-76-2	<10	Ethylene glycol monobutyl ether
97-64-3	<10	Ethyl lactate
64-17-5	<10	Ethanol
Trade secret	<10	Proprietary polymer A
Trade secret	<10	Proprietary polymer B
Trade secret	<10	Proprietary polymer C
Trade secret	<10	Proprietary polymer D

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with eyes: Wash out immediately with water. Seek medical advice/attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin contact occurs with concentrate: Flush skin and hair with running water. Seek medical advice in event of irritation.
Inhalation	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	Do NOT induce vomiting. Immediately give a glass of water. Contact a Poisons Information Centre or a doctor for advise/attention.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media	There is no restriction on the type of extinguisher which may be used

Special hazards arising from the substrate or mixture

Fire incompatibility	None known

Advice for firefighters

Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.
Fire/Explosion Hazard	Non-combustible. Combustion or thermal decomposition will evolve toxic and irritant vapours.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	Flush away with copious amounts of water.
Major Spills	Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle. Prevent by any means available any spillage entering a watercourse.

PPE	Personal protective equipment advice is contained in Section 8 of this SDS

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	Wear suitable protective clothing depending on the circumstances. Do not mix with other chemicals unless expressly recommended by the manufacturer. Always store in original container.
Other information	

Conditions for safe storage, including any incompatibilities

Suitable container	Polyethylene or polypropylene container
Storage incompatibilities	Strong acids and oxidizing or reducing agents

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
EH40/2005 Workplace Exposure Limits	ethylene glycol monobutyl ether	2-Butoxyethanol	96.9 mg/m3 / 20 ppm	242 mg/m3 / 50 ppm	Not Available	Sk
EH40/2005 Workplace Exposure Limits	ethanol, denatured	Ethyl alcohol	1880 mg/m3 / 1000 ppm	Not Available	Not Available	Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
ethylene glycol monobutyl ether	2-Butoxyethanol	20 ppm	20 ppm	700 ppm
ethanol, denatured	Ethyl alcohol	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
ethylene glycol monobutyl ether	700 ppm	700 [Unch] ppm
ethanol, denatured	15.000 ppm	3,3000[LEL] ppm

Exposure controls

Appropriate engineering controls	Always maintain adequate ventilation. In most circumstances natural ventilation systems are adequate. .However if ventilation is poor some form of forced ventilation should be provided
Personal protection	
Eye and face protection	Safety glasses with side shields OR Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly.
Skin protection	See Hand protection below
Hands/feet protection	Wear chemical protective gloves, e.g. PVC.
Body protection	See Other protection below
Other protection	Barrier cream. Skin cleansing cream. Eye wash unit.
Thermal hazards	Not Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear gold yellow liquid

Physical state	Liquid	**Relative density (Water = 1)**	1.0
Odour	Baby powder	**Partition coefficient n-octanol / water**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature (°C)**	Not Applicable
pH (as supplied)	7.5	**Decomposition temperature**	Not Available
Melting point / freezing point (°C)	Not Available	**Viscosity (cSt)**	Not Available

Initial boiling point and boiling range (°C)	100	**Molecular weight (g/mol)**	Not Available
Flash point (°C)	Not Applicable	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability	Not Applicable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	Not Applicable	**Surface Tension (dyn/cm or mN/m)**	Not Available
Lower Explosive Limit (%)	Not Applicable	**Volatile Component (%vol)**	Not Available
Vapour pressure (kPa)	Not Available	**Gas group**	Not Available
Solubility in water (g/L)	Miscible	**pH as a solution**	Not Available
Vapour density (Air = 1)	Not Available	**VOC g/L**	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Unstable in the presence of incompatible materials.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	Mists from the product may cause irritation to the nose, throat and respiratory system with effects including; coughing and discomfort.
Ingestion	The material has not been classified as harmful by ingestion but may cause irritation to the mouth, throat and stomach
Skin Contact	Irritating to skin. Prolonged contact may result in drying and defatting of the skin, rash and dermatitis.
Eye	May cause irritation and damage
Chronic	Extended period of contact may cause irritation in sensitive individuals.

Toxicological effects of ingredients

sodium lauryl sulphate	Acute toxicity	Oral LD50 (rat) 977 mg/kg Dermal LD50 (rabbit) 580 mg/kg
	Skin corrosion/irritation	Rabbit, 4 hour patch test, 25%: Strong erythema and edema (Data on sodium dodecyl sulfate)(48)
	Eye damage/irritation	Rabbit, Draize test, 20%: Strongly irritating (Data on sodium dodecyl sulfate)(48)
	Respiratory/skin sensitization	Guinea pig, Buehler Test: Negative (Data on sodium dodecyl sulfate)(48)
	Germ cell mutagenicity	Ames test (TA98, TA100, WP2try-): Negative / Rec-assay (H17, M45): Negative
	Carcinogenicity	AS (Alcohol Sulphates) are not carcinogenic
	Reproductive toxicity	No Data Available
	STOT (single exposure)	No Data Available
	STOT (repeated exposure)	No Data Available
	Aspiration toxicity	No Data Available
ethylene glycol monobutyl ether	Acute toxicity	Oral LD50 (guinea pig) 1414 mg/kg Dermal LD50 (guinea pig) >2000 mg/kg Inhalation LC0 >3.1 mg/l>641 ppm 1h
	Skin corrosion/irritation	Causes skin irritation.
	Eye damage/irritation	Causes serious eye irritation.
	Respiratory/skin sensitization	Not classified No study available.
	Germ cell mutagenicity	Not classified
	Carcinogenicity	Not classified
	Reproductive toxicity	Not classified
	STOT (single exposure)	High concentrations may cause central nervous system depression
	STOT (repeated exposure)	Based on repeated exposure toxicity values, not classified
	Aspiration toxicity	Based on physico-chemical values or lack of human evidence. Not classified
ethyl lactate	Acute toxicity	Oral LD50 (rat) >2000 mg/kg Dermal LD50 (rabbit) >5000mg/kg
	Skin corrosion/irritation	Irritating
	Eye damage/irritation	Irreversible effects on eye
	Respiratory/skin sensitization	Test negative
	Germ cell mutagenicity	Test negative
	Carcinogenicity	No data available
	Reproductive toxicity	No data available
	STOT (single exposure)	May cause respiratory irritation
	STOT (repeated exposure)	No data available
	Aspiration toxicity	No data available

ethanol	Acute toxicity	Oral LD50 (mouse) 3450 mg/kg Inhalation LC50 (rat) 2000 ppm/10hrs
	Skin corrosion/irritation	Irritating to skin. Prolonged contact may result in drying and defatting of the skin, rash and dermatitis.
	Eye damage/irritation	Irritating to eyes. Exposure may result in lacrimation, irritation, pain and redness
	Respiratory/skin sensitization	No Data Available
	Germ cell mutagenicity	No Data Available
	Carcinogenicity	No Data Available
	Reproductive toxicity	No Data Available
	STOT (single exposure)	No Data Available
	STOT (repeated exposure)	Chronic ingestion may result in cirrhosis of the liver
	Aspiration toxicity	No Data Available
Proprietary polymer A	Acute toxicity	Oral LD50 (rat) >5000 mg/kg
	Skin corrosion/irritation	Unlikely to cause skin irritation.
	Eye damage/irritation	Causes serious eye irritation
	Respiratory/skin sensitization	It is not a skin sensitizer.
	Germ cell mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA)
	Reproductive toxicity	None anticipated
	STOT (single exposure)	No Data Available
	STOT (repeated exposure)	No Data Available
	Aspiration toxicity	No Data Available
Proprietary Polymer B	Acute toxicity	ALD (rat) >11000 mg/kg Inhalation ALC (rat) >1417 mg/l (4hr)
	Skin corrosion/irritation	Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.
	Eye damage/irritation	Causes eye irritation
	Respiratory/skin sensitization	It is not a skin sensitizer.
	Germ cell mutagenicity	There is no evidence of mutagenic potential
	Carcinogenicity	It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA)
	Reproductive toxicity	No available data
	STOT (single exposure)	No available data
	STOT (repeated exposure)	No available data
	Aspiration toxicity	No available data
Proprietary Polymer C	Acute toxicity	ALD (rat) >11000 mg/kg Inhalation ALC (rat) >1417 mg/l (4hr)
Part 1	Skin corrosion/irritation	Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.
	Eye damage/irritation	Causes eye irritation
	Respiratory/skin sensitization	It is not a skin sensitizer.
	Germ cell mutagenicity	There is no evidence of mutagenic potential
	Carcinogenicity	It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA)
	Reproductive toxicity	No available data
	STOT (single exposure)	No available data
	STOT (repeated exposure)	No available data
	Aspiration toxicity	No available data
Proprietary Polymer C	Acute toxicity	Oral LD50 (rat) 1378 - >2000 mg/kg Dermal LD50 (rabbit) >2000 mg/kg
Part 2	Skin corrosion/irritation	Not available.
	Eye damage/irritation	Causes serious eye damage.
	Respiratory/skin sensitization	It is not a skin sensitizer.
	Germ cell mutagenicity	Not available.
	Carcinogenicity	It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA)
	Reproductive toxicity	Not available.
	STOT (single exposure)	Not available.
	STOT (repeated exposure)	Not available.
	Aspiration toxicity	Not available.
Proprietary Polymer C	Acute toxicity	Oral LD50 (rat) 846 – 1236 mg/kg Dermal LD50 (rat) >2000 mg/kg
Part 3	Skin corrosion/irritation	Causes skin irritation.
	Eye damage/irritation	Causes serious eye irritation.
	Respiratory/skin sensitization	It is not a skin sensitizer.
	Germ cell mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA)
	Reproductive toxicity	None anticipated
	STOT (single exposure)	Not available.
	STOT (repeated exposure)	Not available.
	Aspiration toxicity	Not available.

Proprietary Polymer D	Acute toxicity	Oral LD50 (rat) >7000 mg/kg Dermal LD50 (rabbit) >2000 mg/kg
	Skin corrosion/irritation	Slight/mild irritant to skin
	Eye damage/irritation	Causes serious eye irritation.
	Respiratory/skin sensitization	It is not a skin sensitiser.
	Germ cell mutagenicity	Not to be expected
	Carcinogenicity	It is unlikely to present a carcinogenic hazard to man. (NTP / IARC / ACGIH / OSHA)
	Reproductive toxicity	Not to be expected
	STOT (single exposure)	No available data
	STOT (repeated exposure)	No available data
	Aspiration toxicity	No available data

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

	Endpoint	Duration (Hr.)	Species	Value
sodium lauryl sulphate	LC50	96	Fish	0.59-mg/L
	EC50	48	Crustacea	=0.939mg/L
	EC50	96	Algae or other aquatic plants	-0.4-3.7mg/L
	BCF	1	Fish	0.85-mg/L
	EC15	Not coded	Not Available	-0.05-0.25mg/L
	NOEC	0.08	Fish	0.0000013-mg/L
ethylene glycol monobutyl ether	LC50	96	Fish	1-250mg/L
	EC50	48	Crustacea	>1-mg/L
	EC50	96	Algae or other aquatic plants	>1-mg/L
	NOEC	24	Crustacea	>1-mg/L
ethyl lactate	LC50	96	Danio rerio (zebra fish)	320 mg/L
ethanol, denatured	LC50	96	Fish	42-mg/L
	EC50	48	Crustacea	2-mg/L
	EC50	96	Algae or other aquatic plants	-8.358-26.503mg/L
	EC10	168	Algae or other aquatic plants	1.91-mg/L
	NOEC	2016	Fish	0.000375-mg/L
Proprietary polymer A	LC50	96	Fish	100 mg/l
	EC50	48	Aquatic invertebrates)	100 mg/l
	EC50	72	Algae	100 mg/l
Proprietary polymer B	EC50	48	Daphnia magna	100 mg/l
Proprietary Polymer C Part 1	EC50	48	Daphnia Magma	<100 mg/l
Proprietary Polymer C Part 2	LC50	96	Fish	5 - 8.5 mg/l
	EC50	72	Aquatic invertebrates	10 mg/l
Proprietary Polymer C Part 3	LC50	96	Fish	0.6 - 32 mg/l
	EC50	48	Aquatic invertebrates	0.5 - 10.8
	ErC50	72	Algae	0.01 – 5.3 mg/l
	NOEC	72	Algae	0.075 mg/l
Proprietary Polymer D	LC50	96	Oncorhynchus mykiss	1000 mg/l
	EC50	48	Daphnia magna, mobility	40.3 mg/l
	EC50	96	Pseudokirchnerella subcapitata	230 mg/l

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethylene glycol monobutyl ether	LOW (Half-life = 56 days)	LOW (Half-life = 1.37 days)
ethyl lactate		Aerobic - Exposure time 28 d - Result: ca.70 % - Readily biodegradable.
ethanol	LOW (Half-life = 2.17 days)	LOW (Half-life = 5.08 days)

Bio accumulative potential

Ingredient	Bioaccumulation
ethylene glycol monobutyl ether	LOW (BCF = 2.51)
ethyl lactate	No data
ethanol	LOW (LogKOW = -0.31)

Mobility in soil

Ingredient	Mobility
ethylene glycol monobutyl ether	HIGH (KOC = 1)
ethyl lactate	No data
ethanol	HIGH (KOC = 1)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / packaging disposal	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations.

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

SECTION 15 REGULATORY INFORMATION

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

SODIUM LAURYL SULFATE IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australian Inventory of Industrial Chemicals (AIIC)

ETHYLENE GLYCOL MONOBUTYL ETHER IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5
Australian Inventory of Industrial Chemicals (AIIC)
International Agency for Research on Cancer (IARC) – Agents classified by AIRC monographs

ETHYL LACTATE IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australian Inventory of Industrial Chemicals (AIIC)

ETHANOL, DENATURED IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australian Inventory of Industrial Chemicals (AIIC)

NEW ZEALAND HSNO ACT 1996

Substance approval - Cleaning Products (Subsidiary Hazard) Group Standard | HSR002530 | October 2020

SECTION 16 OTHER INFORMATION

Revision Schedule

Revision Date	15/09/2022
Initial Date	08/12/2016

SDS Version Summary

Version	Issue Date	Sections Updated
2.1	22/12/2020	Sections 2, 3, 7, 8, 11,12,15,16 have been updated or corrected
2.2	03/06/2022	All sections revised
3.1	15/09/2022	Sections 1, 2, 8, 15.

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources such as the ECHA C&L Chemical Inventory, HSNO (CCID) New Zealand, AICIS and HCIS Australia

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Definitions and abbreviations

PC-TWA;	Permissible Concentration-Time Weighted Average
PC-STEL:	Permissible Concentration-Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Government Industrial Hygienists
STEL:	Short Term Exposure Limit
TEEL:	Temporary Emergency Exposure Limit
IDLH:	Immediate Danger to Life or Health Concentrations
OSF:	Odour Safety Factor
NOAEL:	No Observed Effects Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bio Concentration Factors
BEI:	Biological Exposure Index

End of SDS