SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	MotorOne Group Pty Ltd		
ADDRESS:	Level 9, 3 Nexus Court, Mulgrave, VIC 3170 Australia		
Trade Name:	**HYDRO+ SURFACE COATING**		
TELEPHONE:	03 8809 2700	**Email:**	sds@motoronegroup.com
AH EMERGENCY TELEPHONE:	1300 774 575 in Australia (M-F 7am-7pm)	**Synonym:**	PROTKHYDRPWS HYDRO50PWS
Substance:	Solvent based coating	**Product Use:**	Industrial applications
Creation Date:	30 January 2022	**Revision Date:**	30 January 2027

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture	
Dangerous Goods	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
GHS Classification	Flammable Liquids: Category 2 Aspiration Hazard: Category 1 Skin Irritation: Category 2 Eye Irritation: Category 2B Acute Toxicity - Inhalation: Category 4
Poisons Schedule	S6 Poison
Label elements	
GHS label pictograms	
Signal word	**DANGER**
Hazard statement(s)	
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
Precautionary statement(s): General	
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
Precautionary statement(s): Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing fumes, mists, vapours or spray.
P264	Wash contaminated skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves, protective clothing and eye protection.

Precautionary statement(s): Response	
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P321	Specific treatment (see first aid section of this SDS).
P332+P313	If skin irritation occurs: Get medical advice.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use alcohol resistant foam, water spray or fog, carbon dioxide or dry chemical powder for extinction.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331	Do NOT induce vomiting.
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.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTRE or doctor if you feel unwell.
Precautionary statement(s): Storage	
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Precautionary statement(s): Disposal	
P501	Dispose of contents and container in accordance with local regulations.
Note	
IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion (%w/w):
Ligroine	8032-32-4	< 50
2-Butoxyethanol	111-76-2	< 30
Silica	7631-86-9	< 10
Xylene	1330-20-7	< 10
Toluene	108-88-3	< 3
Ingredients determined to be non-hazardous at the concentrations used (including water)	various	Balance3

SECTION 4 – FIRST AID MEASURES

Inhalation	Remove person to fresh air away from exposure. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical attention if symptoms occur.
Skin contact	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical advice.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses, if easy to do. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical advice.
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Where vomiting occurs naturally, have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.
Advice to Doctor	Treat symptomatically
First Aid Facilities	Eye wash station, safety shower and normal washroom facilities

SECTION 5 – FIRE FIGHTING MEASURES	
Fire and Explosion Hazards	Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Extinguishing Media	Alcohol resistant foam, water spray or fog, carbon dioxide, dry chemical powder. Do not use water jet.
Fire Fighting	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.
Flash Point	>21^{o}C
Hazchem	•3YE

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible, contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place it into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

SECTION 7 – HANDLING AND STORAGE	
Handling	Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well- ventilated area, away from heat, hot surfaces, sparks, open flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take action to prevent static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.
Storage	Store in a cool, dry, well-ventilated area away from heat, hot surfaces, sparks, open flames, other ignition sources, foodstuffs, clothing and incompatible materials (as listed in Section 10 of this SDS). Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take action to prevent static discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	National Occupational Exposure Limits, as published by Safe Work Australia: **Time-weighted Average (TWA):** None established for product. For ingredients: • 2-Butoxyethanol: 20 ppm, 96.9 mg/m^3 • Silica: 2 mg/m^3 (note: *Carc 1A) • Toluene: 50 ppm, 191 mg/m^3 **Short Term Exposure Limit (STEL):** None established for product. For ingredients: • 2-Butoxyethanol: 50 ppm, 242 mg/m^3 • Toluene: 150 ppm, 574 mg/m^3 TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight- hour working day, for a five-day week. STEL (Short Term Exposure Limit): The average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday. 'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. *Carc 1A: Known to have carcinogenic potential for humans.
Ventilation	This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are insufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/Nl5 60079.10.1 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;
Eye Protection 	Safety glasses or chemical goggles should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection 	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection 	Suitable protective workwear (e.g. cotton overalls buttoned at neck and wrist) are recommended. A chemical resistant apron is recommended where large quantities are handled.
Respirator	If engineering controls are ineffective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Colour**	Not available
Odour	Solvent	**Specific Gravity**	0.75 – 0.90
Boiling Point	Not available	**Freezing Point**	Not available
Vapour Pressure	Not available	**Vapour Density**	Not available
Flash Point	>21°C	**Flammable Limits**	Not available
Water Solubility	Insoluble	**pH**	8.0 – 9.0

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Stable at normal temperatures and pressure. Reacts with incompatible materials.
Conditions to Avoid	Heat, hot surfaces, sparks, open flames, other ignition sources and direct sunlight
Incompatibilities	Strong oxidizing agents, strong acids
Hazardous Decomposition	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including oxides of nitrogen, hydrogen, fluoride, hydrogen chloride, chloride, carbon monoxide and carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system. Symptoms can include shortness of breath, headache, dizziness, drowsiness, loss of coordination, nausea and vomiting.
Skin contact	Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Eye contact	Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Ingestion	May be fatal if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. May cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.
Chronic exposure	No information available
Toxicology Information	Non-toxic, based on ingredient calculated values.
Carcinogen Status	
IARC	Not considered to be a carcinogenic hazard. 2-Butoxyethanol, Xylene, Toluene and Silica are listed as a Group 3: Not classifiable as carcinogenic to humans according to International Agency for Research on Cancer (IARC). This product contains silica. No exposure to free respirable silica is anticipated during normal use of this product as silica is bound in the liquid/paste. It should be noted, however, that respirable silica has been listed as a Group 1 human carcinogen by the IARC. Inhalation of respirable silica may cause cancer, silicosis or other serious delayed lung injury. Grinding or machining of coated materials may release silica. Use an approved dust respirator when grinding, sanding etc.
Respiratory Sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproductions.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	This material has been classified as a Category 1 Hazard. May be fatal if swallowed and enters airways.

SECTION 12 – ECOLOGICAL INFORMATION	
Eco-toxicity	No ecological data available for this material.
Persistence and degradability	No information available
Bio accumulative potential	No information available
Mobility in soil	No information available
Other adverse effects	No information available
Environmental Protection	Do not discharge this material into waterways, drains or sewers.

SECTION 13 – DISPOSAL CONSIDERATIONS	
	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then reused or disposed of by landfill or incineration as appropriate. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

SECTION 14 – TRANSPORT INFORMATION	
Land Transport (ADG) Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".	
UN Number	1993
Proper Shipping Name	FLAMMABLE LIQUIDS, N.O.S. (CONTAINS TOLUENE)
Class	
HAZCHEM Code	•3YE
Packing Group	II
ERG	128
Limited Quantity	1L
Marine Pollutant	No
Marine Transport (IMO/IMDG): Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea**.**	
UN Number	1993
Proper Shipping Name	FLAMMABLE LIQUIDS, N.O.S. (CONTAINS TOLUENE)
Class	
HAZCHEM Code	•3YE
Packing Group	II
EMS	F-E, S-E
Limited Quantity	1L
Marine Pollutant	No
Special Provision	274

Air Transport (ICAO/IATA): Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.	
UN Number	1993
Proper Shipping Name	FLAMMABLE LIQUIDS, N.O.S. (CONTAINS TOLUENE)
Class	
HAZCHEM Code	•3YE
Packing Group	II
Packaging Instructions	353 (passenger & cargo), 364 (cargo only)
Limited Quantity	1L
Special Provision	A3

SECTION 15 – REGULATORY INFORMATION

GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	S6 Poison
AICS	All ingredients present on AICS

SECTION 16 – OTHER INFORMATION

Issue Date	31 January 2022
Version Number	V4: regular review
Abbreviations and acronyms	**ADG Code**: Australian Code for the Transport of Dangerous Goods by Road and Rail. **AICS:** Australian Inventory of Chemical Substances. **CAS Number**: Chemical Abstracts Service Registry Number. **GHS**: Globally Harmonized System of Classification and Labelling of Chemicals **HAZCHEM:** An emergency action code of numbers and letters which gives information to emergency services. **HCIS**: Hazardous Chemical Information System **SWA**: Safe Work Australia. **SDS**: Safety Data Sheet **STEL**: Short Term Exposure Limit. **SUSMP**: Standard for the Uniform Scheduling of Medicines and Poisons. **TWA**: Time Weighted Average. **UN Number**: United Nations Number.
Literature references	Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia) GHS Hazardous Chemical Information List (Safe Work Australia) Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Global Harmonized System of Classification and Labelling of Chemicals (GHS) "Australian Exposure Standards". Safe Work Australia Australian Code for The Transport of Dangerous Goods by Road and Rail Standard for the Uniform Scheduling of Medicines and Poisons Safety Data Sheets – individual raw materials – Suppliers HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.
Disclaimer	This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

End of SDS