


SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	MotorOne Group Pty Ltd		
ADDRESS:	Level 9, 3 Nexus Court Mulgrave VIC 3170.		
Trade Name:	PROTEKTIV HYDRO SURFACE COATING		
TELEPHONE:	(03) 8809 2700	email:	info@motoronegroup.com
AH EMERGENCY TELEPHONE:	1300 774 575 in Australia (M-F 7am-7pm)	Synonym:	PROTKHYDRPWS / HYDRO50PWS
Substance:	Water-based blend	Product Use:	Industrial applications
Creation Date:	FEBRUARY 2025	Revision Date:	FEBRUARY 2030

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 Liquid category 2 Acute toxicity - Inhalation category 3 Acute toxicity - Oral category 3 Aspiration hazard category 1 Eye irritation 2 Skin irritation category 2
Poisons Schedule	56
Label elements	
GHS label pictograms	
Signal word	DANGER
Hazard statement(s)	
H225	Highly flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H320	Causes eye irritation.
H333	May be harmful if inhaled.
Precautionary statement(s): General	
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children.
P103	Read label carefully and follow all instructions.
Precautionary statement(s): Prevention	
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing fume, gas, mist, vapours and spray.
P264	Wash contaminated skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and protective clothing, including eye protection.

Precautionary statement(s): Response

P101	If medical advice is needed, have a product container or label at hand.
P370+P378	In case of fire: Use alcohol resistant foam, water spray or fog, carbon dioxide, dry chemical powder.
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water and or shower.
P332 + P313	If skin irritation occurs: Get medical advice.
P362 + P364	Take off contaminated clothing and wash it before reuse.
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.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P330	Rinse mouth
P331	Do NOT induce vomiting
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position 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

PS01	Dispose of contents/container to an approved waste disposal plant .
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Note

IMPORTANT	This SDS and the hazard classifications contained therein only apply to the product in its concentrated form, as supplied.
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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.	various	balance

SECTION 4 – FIRST AID MEASURES

Inhalation	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Skin contact	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth and lips with water. 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. Normal washroom facilities.
Other Information	For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131126)

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Highly flammable liquid and vapour. Vapour and air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard. Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide and pyrolysis products typical of burning organic material
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	Not Applicable
Hazchem	•3YE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills	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, Noncombustible material onto spillage. Use clean non-sparking tools to collect the material and place 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.
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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 sparks, 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 precautionary measures against 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 sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. 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 precautions against static electricity 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. Reference should also be made to all applicable local and national regulations.
Storage incompatibility	None known

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<p>Exposure Limits</p>	<p>National Occupational Exposure Limits, as published by Safe Work Australia:</p> <p>Xylene</p> <p>TWA: 80 ppm, 350 mg/m1 STEL: 150 ppm, 655 mg/m1</p> <p>Toluene</p> <p>TWA: 50 ppm, 191 mg/m1 STEL: 150 ppm, 574 mg/m1</p> <p>NOTICES: Sk</p> <p>2-butoxyethanol</p> <p>TWA: 20 ppm, 96.9 mg/m1 STEL: 50 ppm, 242 mg/m1</p> <p>NOTICES: Sk</p> <p>Silica</p> <p>TWA: 2 mg/m1.</p> <p>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.</p> <p>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.</p> <p>'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.</p>
<p>Ventilation</p>	<p>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 not sufficient 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/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements</p>
<p>Personal Protective Equipment</p>	<p>Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure.</p>
<p>Eye Protection</p> 	<p>Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/ face protection will vary according to individual circumstances. 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.</p>
<p>Hand Protection</p> 	<p>Wear gloves of impervious material such as butyl rubber, natural latex, neoprene, PVC, and nitrile – to handle in quantity, clean up spills, decanting, etc. The final choice of appropriate gloves will vary according to individual circumstances. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.</p>
<p>Body Protection</p> 	<p>Suitable protective workwear (e.g. apron, long sleeves/trousers, boots and cotton overalls buttoned at neck and wrist) are recommended. A chemical-resistant apron is recommended for handling large quantities.</p>
<p>Respirator</p>	<p>If engineering controls are ineffective in controlling airborne exposure, then an approved respirator with a replaceable 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.</p>

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Colour	Liquid
Odour	Solvent	Specific Gravity	0.75- 0.9
Boiling Point	Not Available	Freezing Point	Not Available
Vapour Pressure(kPa)	Not Available	Vapour Density (Air = 1)	Not Available
Flash Point	>21°C	Flammability	Highly flammable liquid and vapour
Water Solubility	Insoluble	pH	8.0 - 9.0

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions of storage and handling. Reacts with incompatible materials.
Conditions to Avoid	Heat, open flames, direct sunlight, and other sources of ignition.
Incompatibilities	Strong oxidising agents.
Hazardous Decomposition	Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including hydrogen fluoride, hydrogen chloride, chloride, carbon dioxide and carbon monoxide.

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. Harmful if swallowed. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.
Chronic exposure	No toxicity data available for this material.
Carcinogen Status	
SWA	No significant ingredient is classified as carcinogenic by SWA.
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 expected to cause toxicity to a specific target organ.
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	May be fatal if swallowed and enters airways

SECTION 12 – ECOLOGICAL INFORMATION

Eco-toxicity	No information available
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 allow product to enter drains, waterways 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 re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.

SECTION 14 – TRANSPORT INFORMATION

ADG	<p>Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".</p> <p>This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"> - Class 1, Explosives - Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.) - Division 2.3, Toxic Gases - Division 4.2 Spontaneously Combustible Substances - Division 5.1 Oxidising Agents - Division 5.2, Organic Peroxides - Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane) - Class 7: Radioactive materials unless specifically exempted
Marine Pollutant	No
Land Transport (ADG)	
UN Number	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.5. (Contains Toluene)
Class	3
HAZCHEM Code	•3YE
Packing Group	II

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
ADG Code	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
AICS	All ingredients present on AICS

SECTION 16 – OTHER INFORMATION

Issue Date	February 2025
Version Number	V2: regular review
Abbreviations and acronyms	<p>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS: Australian Inventory of Chemical Substances.</p> <p>CAS Number: Chemical Abstracts Service Registry Number.</p> <p>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>HAZCHEM: An emergency action code which gives information to emergency services.</p> <p>SWA: Safe Work Australia.</p> <p>SDS: Safety Data Sheet</p> <p>STEL: Short Term Exposure Limit.</p>

	<p>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA: Time Weighted Average.</p> <p>UN Number: United Nations Number.</p>
Literature references	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>“Australian Exposure Standards”. Safe Work Australia</p> <p>Australian Code for The Transport of Dangerous Goods by Road and Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Safety Data Sheets – individual raw materials – Suppliers</p>
Disclaimer	<p>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.</p>
End of SDS	