Empack Spraytech Inc.
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Canada
905-792-6571

PRODUCT: Emzone Heavy Duty Parts Wash - 18.9 L (5 gal) **CODE: P6-045280**

SECTION 1: IDENTIFICATION

Initial Supplier Identifier	Empack Spraytech Inc.
Product Identity	Emzone Heavy Duty Parts Wash - 18.9 L (5 gal)
Product Item Numbers	P6-045280
Product Item Numbers	P6-045281. P6-045281 (Emzone Heavy Duty Parts Wash (Polygrip) - 18.9 L).
24 hour emergency telephone number	In the event of a transport emergency, contact CANUTEC at 1-613-996-6666. For health emergencies, contact Empack Spraytech Inc. at 1-866-923-2665.
Recommended Use	Heavy duty parts wash.
Restrictions on use	Not available.

SECTION 2: HAZARD IDENTIFICATION

Label Elements:	
Signal Word	DANGER.
Hazard Classification:	
Physical Hazards	Flammable Liquids - Category 2.
Health Hazards	Acute Toxicity Inhalation - Category 5. Acute Toxicity Dermal - Category 5. Skin Irritation - Category 2. Eye Damage/Irritation - Category 2A. Specific Target Organ Toxicity, Single Exposure - Category 3. Aspiration Hazard - Category 1.
Environmental Hazards	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Hazard Statement	H225:Highly flammable liquid and vapour. H333:May be harmful if inhaled. H313:May be harmful in contact with skin . H315:Causes skin irritation. H319:Causes serious eye irritation. H335:May cause respiratory irritation. H336:May cause drowsiness or dizziness. H304:May be fatal if swallowed and enters airways.
Precautionary Statements:	
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/ventilating/lighting equipment. . P242:Use non-sparking tools. P243:Take action to prevent static discharges. P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P264+P265: Wash hands thoroughly after handling. Do not touch eyes. P261:Avoid breathing dust/fume/gas/mist/vapours/spray. P271:Use only outdoors or in a well-ventilated area.
Response	P303+P361+P353:IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water. P370+P378:In case of fire: Use CO2, dry chemicals or foam to extinguish. P304+P317:IF INHALED: Get medical help. P302+P317: IF ON SKIN: Get medical help. P302+P352:IF ON SKIN: Wash with plenty of water. P332+P317:If skin irritation occurs: Get medical help. P362+P364:Take off contaminated clothing and wash it before reuse. P321:For specific treatment see section 4 on this SDS. 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+P317: If eye irritation persists: Get medical help. P304+P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing. P319: Get medical help if you feel unwell. P301+P316: IF SWALLOWED: Get emergency medical help immediately. . P331:Do NOT induce vomiting.
Storage	P403+P235:Store in a well ventilated place. Keep cool. P233:Keep container tightly closed. P405: Store locked up.
Disposal	P501:Dispose of contents/container in accordance with local, regional, national, and/or international regulations.
Other hazards known to the supplier	Not available.
Hazard(s) not otherwise classified (HNOC)	None Known.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	COMMON NAME & SYNONYMS	CAS #	WT. %
Naphtha (petroleum), hydro-treated light		64742-49-0	80-100

SECTION 4: FIRST-AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance. If breathing is difficult, give oxygen and get medical attention. Do not give adrenaline, epinephrine or similar drugs following exposure to this product.
Skin Contact	Wash thoroughly with soap and lukewarm water.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists.
Ingestion	Do not induce vomiting, get medical attention. Consult poison control center or physician IMMEDIATELY.
Most important symptoms/effects, acute and delayed	Aspiration hazard.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Chemical	Flash back possible over considerable distance.
Special Protective Equipment and Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
General Fire Hazards	Highly flammable liquid and vapour.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
Methods and Materials for Containment and Cleaning Up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
Environmental Precautions	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with eyes, skin, and clothing. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.
Conditions for Safe Storage including any Incompatibilities	Store locked up. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL PEL	OSHA PEL STEL	NIOSH REL
Naphtha (petroleum), hydro-treated light	1640 mg/m3 (heptane)	Not established	Not established	Not established	Not established

Appropriate Engineering Controls	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.
Individual Protection Measures:	
Eye/Face Protection	Do not get in eyes. Wear safety glasses with side-shields.

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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection.....	Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:. Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. If contact with forearms is likely wear gauntlet style gloves.
Respiratory Protection.....	Use dust and mist respirator.
Thermal Hazards.....	None Known.
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State.....	Liquid.
Colour.....	Not available.
Odour.....	Hydrocarbons.
Melting Point and Freezing Point (°C).....	Not available.
Boiling point or initial boiling point and ..... boiling range (°C)	94-99. [ASTM D86] .
Flammability.....	Not applicable.
Lower Flammable Limit (% Vol).....	1.1.
Upper Flammable Limit (% Vol).....	7.0.
Flash Point (°C), Method.....	-9. (ASTM D-56).
Auto Ignition Temperature (°C).....	265.
Decomposition Temperature.....	Not available.
pH.....	Not applicable.
Kinematic Viscosity.....	Not available.
Solubility.....	Negligible.
Partition Coefficient — n-Octanol/Water .. (Logarithmic Value)	Not available.
Vapour Pressure (mm Hg).....	5 kPa (37.5 mm Hg) at 20ºC.
Density.....	Not available.
Relative density.....	0.688-0.710.
Relative Vapour Density	>1.
Particle Characteristics.....	Not available.
Aerosol Flame Projection.....	Not applicable.
Aerosol Ignition Distance.....	Not applicable.
Flashback.....	Not applicable.
VOC Content.....	Greater than 80%.
Note.....	NMT = Not More Than.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Product not reactive under normal conditions of use.
Chemical Stability.....	Material is stable under normal conditions.
Possibility of Hazardous Reactions.....	Will not occur.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Incompatible Materials.....	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products.....	Carbon Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Naphtha (petroleum), hydro-treated light	2,000 mg/m3 (Rat - 4 hrs)	8,000 mg/kg (Oral - Rat)

Information on Likely Routes of Exposure:

Routes of entry - Inhalation.....	Yes.
Routes of entry - Skin & Eye.....	Yes.
Routes of entry - Ingestion.....	Yes.
Routes of entry - Skin Absorption.....	Yes.
Symptoms Related to the Physical, ...	Irritant effects.

Chemical and Toxicological Characteristics

Acute Toxicity.....	May be harmful if inhaled. May be harmful in contact with skin.
Skin Corrosion/Irritation.....	Causes skin irritation.

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SECTION 11: TOXICOLOGICAL INFORMATION

Serious Eye Damage/Eye Irritation.....	Causes serious eye irritation.
Respiratory or Skin Sensitization.....	Not classified.
Germ Cell Mutagenicity.....	No information is available, and no adverse effects are expected.
Carcinogenicity.....	Not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.
Reproductive Toxicity.....	Not classified.
STOT - Single Exposure.....	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - Repeated Exposure.....	Not classified.
Aspiration Hazard.....	Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
Chronic Effects.....	Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Test: Aquatic - Acute Toxicity | Duration: 48 hour(s) | Organism: Daphnia magna | Test Results: EL50 3 mg/l: data for similar materials. Test: Aquatic - Acute Toxicity | Duration: 96 hour(s) | Organism: Oncorhynchus mykiss | Test Results: LL50 >13.4 mg/l: data for similar materials. Test: Aquatic - Acute Toxicity | Duration: 72 hour(s) | Organism: Pseudokirchneriella subcapitata | Test Results: EL50 10-30 mg/l: data for similar materials. Test: Aquatic - Chronic Toxicity | Duration: 21 day(s) | Organism: Daphnia magna | Test Results: EL50 1.6 mg/l: data for similar materials, NOEC 0.17 mg/l: data for similar materials.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.....	This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road).....	UN1206, HEPTANES, Class 3, PG II.
DOT (US-Road).....	UN1206, HEPTANES, Class 3, PG II.
IMDG (International- Marine).....	UN1206, HEPTANES, Class 3, PG II.
IATA (International- Air).....	UN1206, HEPTANES, Class 3, PG II.
Special precautions in connection with .... transport or conveyance either within or outside the premises	None known.
Environmental hazards.....	None known.
Marine Pollutant.....	Yes.

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada Regulations:.....	Compliant to the current Hazardous Products Regulations (HPR).
Domestic Substances List (DSL).....	All components are listed or exempted.

SECTION 16: OTHER INFORMATION

Disclaimer.....	The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendors or users or third parties, caused by the material. Such vendors or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
Abbreviations.....	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.
NFPA Storage Level.....	Class IA.
Note.....	The VOC content listed in section 9 is as per the interpretation that there is no CARB or ECCC category for this product format - therefore, there is no limit to meet.
Prepared by	Empack RA - ID# 001.

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SECTION 16: OTHER INFORMATION

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