

LPS® TKX (Aerosol)

ITW Permatest

Part Number: 02016

Version No: 7.29

Safety Data Sheet according to WHMIS 2023 requirements

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S.GHS.CAN.EN

SECTION 1 Identification

Product Identifier

Product name	LPS® TKX (Aerosol)
Proper shipping name	AEROSOLS
Other means of identification	Not Available

Recommended use of the chemical and restrictions on use

Relevant identified uses	For Industrial Use Only Use according to manufacturer's directions.
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Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Registered company name	ITW Permatest	ITW Pro Brands. -GA
Address	2360 Bristol Circle, Ste 101 Oakville, ON L6H 6M5 Canada	4647 Hugh Howell Rd. Tucker, GA United States
Telephone	1-800-241-8334	770-243-8800
Fax	1-800-543-1563	Not Available
Website	www.itwprobrands.com	www.itwprobrands.com
Email	lpssds@itwprobrands.com	lpssds@itwprobrands.com

Emergency phone number

Association / Organisation	Dykem/Dymon/Scrubs = Call InfoTrac For _LPS & Other Brands = Call Chemtrec	Dykem/Dymon/Scrubs = Call InfoTrac For _LPS & Other Brands = Call Chemtrec
Emergency telephone number(s)	1-352-323-3500 (Infotrac) +001 703-527-3887 (Chemtrec)	1-800-535-5053 (InfoTrac Inside US) 1-800-424-9300 (Chemtrec Inside US)
Other emergency telephone number(s)	1-800-424-9300 (inside U.S.)	1-352-323-3500 (Infotrac Outside US) +001 703-527-3887 (Chemtrec Outside US)

SECTION 2 Hazard(s) identification

Classification of the substance or mixture

Classification	Aerosols, Hazard Category 1, Aspiration Hazard Category 1, Sensitisation (Skin) Category 1B, Serious Eye Damage/Eye Irritation Category 2A
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Label elements

Hazard pictogram(s)	 
Signal word	Danger

Hazard statement(s)

H222+H229	Extremely flammable aerosol. Pressurized container: may burst if heated.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Physical and Health hazard(s) not otherwise classified

Not Applicable

Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P261	Avoid breathing gas.
P264	Wash all exposed external body areas thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s) Response

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Precautionary statement(s) Storage

P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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No further product hazard information.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
64742-47-8	45-70	PETROLEUM DISTILLATES LIGHT(R)
64742-52-5	10-30	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)
56539-66-3	1-5	3-methoxy-3-methyl-1-butanol
93820-57-6	1-5	di-C10-18-alkylbenzenesulfonic acid, calcium salt*
124-38-9	1-5	carbon dioxide
39464-64-7	<1	dinonylphenol phosphate, ethoxylated

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 First-aid measures

Description of first aid measures

Eye Contact	If aerosols come in contact with the eyes: ▶ Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water. ▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ▶ Transport to hospital or doctor without delay. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If solids or aerosol mists are deposited upon the skin: ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in the event of irritation.
Inhalation	If aerosols, fumes or combustion products are inhaled: ▶ Remove to fresh air. ▶ Lay patient down. Keep warm and rested. ▶ Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. ▶ If breathing is shallow or has stopped, ensure clear airway and apply resuscitation, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. ▶ Transport to hospital, or doctor.
Ingestion	Not considered a normal route of entry. ▶ If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Fire-fighting measures

Extinguishing media

- SMALL FIRE:
- ▶ Water spray, dry chemical or CO2
- LARGE FIRE:

- ▶ Water spray or fog.

Special hazards arising from the substrate or mixture

Fire Incompatibility

- ▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Special protective equipment and precautions for fire-fighters

Fire Fighting	----- GENERAL ----- ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ May be violently or explosively reactive. ▶ Wear breathing apparatus plus protective gloves. ▶ Consider evacuation ▶ Fight fire from a safe distance, with adequate cover. ▶ If safe, switch off electrical equipment until vapour fire hazard removed. ▶ Use water delivered as a fine spray to control fire and cool adjacent area. ▶ DO NOT approach cylinders suspected to be hot. ▶ Cool fire-exposed cylinders with water spray from a protected location. ▶ If safe to do so, remove containers from path of fire. ----- FIRE FIGHTING PROCEDURES: ----- ▶ The only safe way to extinguish a flammable gas fire is to stop the flow of gas. ▶ If the flow cannot be stopped, allow the entire contents of the cylinder to burn while cooling the cylinder and surroundings with water from a suitable distance. ▶ Extinguishing the fire without stopping the gas flow may permit the formation of ignitable or explosive mixtures with air. These mixtures may propagate to a source of ignition. ----- SPECIAL HAZARDS ----- ▶ Excessive pressures may develop in a gas cylinder exposed in a fire; this may result in explosion. ▶ Cylinders with pressure relief devices may release their contents as a result of fire and the released gas may constitute a further source of hazard for the fire-fighter. ▶ Cylinders without pressure-relief valves have no provision for controlled release and are therefore more likely to explode if exposed to fire. ----- FIRE FIGHTING REQUIREMENTS: ----- The need for proximity, entry and flash-over protection and special protective clothing should be determined for each incident, by a competent fire-fighting safety professional.
Fire/Explosion Hazard	▶ Liquid and vapour are flammable. ▶ Moderate fire hazard when exposed to heat or flame. ▶ Vapour forms an explosive mixture with air. ▶ Moderate explosion hazard when exposed to heat or flame. ▶ Vapour may travel a considerable distance to source of ignition. ▶ Heating may cause expansion or decomposition leading to violent rupture of containers. ▶ Aerosol cans may explode on exposure to naked flame. ▶ Rupturing containers may rocket and scatter burning materials. ▶ Hazards may not be restricted to pressure effects. ▶ May emit acrid, poisonous or corrosive fumes. ▶ On combustion, may emit toxic fumes of carbon monoxide (CO). Combustion products include: carbon monoxide (CO) carbon dioxide (CO₂) other pyrolysis products typical of burning organic material.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	▶ Clean up all spills immediately. ▶ Avoid breathing vapours and contact with skin and eyes. ▶ Wear protective clothing, impervious gloves and safety glasses. ▶ Shut off all possible sources of ignition and increase ventilation. ▶ Wipe up. ▶ If safe, damaged cans should be placed in a container outdoors, away from all ignition sources, until pressure has dissipated. ▶ Undamaged cans should be gathered and stowed safely.
Major Spills	▶ DO NOT exert excessive pressure on valve; DO NOT attempt to operate damaged valve. ▶ Clear area of personnel and move upwind. ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ May be violently or explosively reactive. ▶ Wear breathing apparatus plus protective gloves. ▶ Prevent, by any means available, spillage from entering drains or water courses ▶ No smoking, naked lights or ignition sources. ▶ Increase ventilation. ▶ Stop leak if safe to do so. ▶ Water spray or fog may be used to disperse / absorb vapour. ▶ Absorb or cover spill with sand, earth, inert materials or vermiculite. ▶ If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. ▶ Undamaged cans should be gathered and stowed safely. ▶ Collect residues and seal in labelled drums for disposal.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

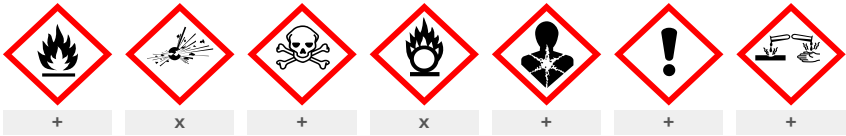
SECTION 7 Handling and storage

Precautions for safe handling

Safe handling	▶ Avoid all personal contact, including inhalation. ▶ Wear protective clothing when risk of exposure occurs. ▶ Use in a well-ventilated area. ▶ Prevent concentration in hollows and sumps. ▶ DO NOT enter confined spaces until atmosphere has been checked. ▶ Avoid smoking, naked lights or ignition sources. ▶ Avoid contact with incompatible materials. ▶ When handling, DO NOT eat, drink or smoke. ▶ DO NOT incinerate or puncture aerosol cans. ▶ DO NOT spray directly on humans, exposed food or food utensils. ▶ Avoid physical damage to containers. ▶ Always wash hands with soap and water after handling. ▶ Work clothes should be laundered separately. ▶ Use good occupational work practice. ▶ Observe manufacturer's storage and handling recommendations contained within this SDS. ▶ Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained. NFPA 30B Storage Level: 3
Other information	▶ Keep dry to avoid corrosion of cans. Corrosion may result in container perforation and internal pressure may eject contents of can ▶ Store in original containers in approved flammable liquid storage area. ▶ DO NOT store in pits, depressions, basements or areas where vapours may be trapped. ▶ No smoking, naked lights, heat or ignition sources. ▶ Keep containers securely sealed. Contents under pressure. ▶ Store away from incompatible materials. ▶ Store in a cool, dry, well ventilated area. ▶ Avoid storage at temperatures higher than 40 deg C. ▶ Store in an upright position. ▶ Protect containers against physical damage. ▶ Check regularly for spills and leaks. ▶ Observe manufacturer's storage and handling recommendations contained within this SDS. ▶ Do not cut, drill, grind, weld or perform similar operations on or near containers. Containers, even those that have been emptied, can contain explosive vapours.

Conditions for safe storage, including any incompatibilities

Suitable container	▶ Aerosol dispenser. ▶ Check that containers are clearly labelled.
Storage incompatibility	▶ Avoid reaction with oxidising agents ▶ Compressed gases may contain a large amount of kinetic energy over and above that potentially available from the energy of reaction produced by the gas in chemical reaction with other substances



X — Must not be stored together
0 — May be stored together with specific preventions
+ — May be stored together

Note: Depending on other risk factors, compatibility assessment based on the table above may not be relevant to storage situations, particularly where large volumes of dangerous goods are stored and handled. Reference should be made to the Safety Data Sheets for each substance or article and risks assessed accordingly.

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Canada - Yukon Permissible Concentrations for Airborne Contaminant Substances	PETROLEUM DISTILLATES LIGHT(R)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	PETROLEUM DISTILLATES LIGHT(R)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available
Canada - Manitoba Occupational Exposure Limits	PETROLEUM DISTILLATES LIGHT(R)	Not Available	Not Available	Not Available	Not Available	TLV® Basis: URT irr
Canada - Manitoba Occupational Exposure Limits	PETROLEUM DISTILLATES LIGHT(R)	Not Available	5 mg/m3	Not Available	Not Available	TLV® Basis: URT irr
Canada - Prince Edward Island Occupational Exposure Limits	PETROLEUM DISTILLATES LIGHT(R)	Mineral oil, excluding metal working fluids - Pure, highly and severely refined	5 mg/m3	Not Available	Not Available	TLV® Basis: URT irr
Canada - Prince Edward Island Occupational Exposure Limits	PETROLEUM DISTILLATES	Mineral oil, excluding metal	Not Available	Not Available	Not Available	TLV® Basis: URT irr

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Source	Ingredient	Material name	TWA	STEL	Peak	Notes
	LIGHT(R)	working fluids - Poorly and mildly refined				
Canada - British Columbia Occupational Exposure Limits	PETROLEUM DISTILLATES LIGHT(R)	Oil mist - mineral, severely refined	1 mg/m3	Not Available	Not Available	Not Available
Canada - British Columbia Occupational Exposure Limits	PETROLEUM DISTILLATES LIGHT(R)	Oil mist - mineral, mildly refined	0.2 mg/m3	Not Available	Not Available	Not Available
Canada - Alberta Occupational Exposure Limits	PETROLEUM DISTILLATES LIGHT(R)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available
Canada - Northwest Territories Occupational Exposure Limits	PETROLEUM DISTILLATES LIGHT(R)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available
Canada - Quebec Permissible Exposure Values for Airborne Contaminants	PETROLEUM DISTILLATES LIGHT(R)	Mineral oil (mist): Pure, highly and ultra-refined - inhalable dust	5 mg/m3	Not Available	Not Available	Not Available
Canada - Quebec Permissible Exposure Values for Airborne Contaminants	PETROLEUM DISTILLATES LIGHT(R)	Mineral oil (mist): Little or unrefined	Not Available	Not Available	Not Available	C2: carcinogenic effect suspected in humans EM: A substance to which exposure must be reduced to a minimum RP: A substance which may not be recirculated
Canada - Nova Scotia Occupational Exposure LimitsCanada	PETROLEUM DISTILLATES LIGHT(R)	Oil mist - mineral	5 mg/m3	10 mg/m3	Not Available	TLV Basis: lung. As sampled by method that does not collect vapor.
Canada - Nova Scotia Occupational Exposure LimitsCanada	PETROLEUM DISTILLATES LIGHT(R)	Jet fuels	200 mg/m3	Not Available	Not Available	Measured as total hydrocarbon vapor. TLV Basis: skin irritation; CNS impairment; upper respiratory tract irritation TLV Basis/Critical Effect(s): Irritation; CNS; skin. Application restricted to conditions in which there are negligible aerosol exposures.
Canada - Yukon Permissible Concentrations for Airborne Contaminant Substances	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available
Canada - Manitoba Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Not Available	Not Available	Not Available	Not Available	TLV® Basis: URT irr
Canada - Manitoba Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Not Available	5 mg/m3	Not Available	Not Available	TLV® Basis: URT irr
Canada - Prince Edward Island Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Mineral oil, excluding metal working fluids - Pure, highly and severely refined	5 mg/m3	Not Available	Not Available	TLV® Basis: URT irr
Canada - Prince Edward Island Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Mineral oil, excluding metal working fluids - Poorly and mildly refined	Not Available	Not Available	Not Available	TLV® Basis: URT irr
Canada - British Columbia Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Oil mist - mineral, mildly refined	0.2 mg/m3	Not Available	Not Available	Not Available
Canada - British Columbia Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Oil mist - mineral, severely refined	1 mg/m3	Not Available	Not Available	Not Available
Canada - Alberta Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available

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Source	Ingredient	Material name	TWA	STEL	Peak	Notes
	HEAVY NAPHTHENIC(R)					
Canada - Northwest Territories Occupational Exposure Limits	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Oil mist, mineral	5 mg/m3	10 mg/m3	Not Available	Not Available
Canada - Quebec Permissible Exposure Values for Airborne Contaminants	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Mineral oil (mist): Little or unrefined	Not Available	Not Available	Not Available	C2: carcinogenic effect suspected in humans EM: A substance to which exposure must be reduced to a minimum RP: A substance which may not be recirculated
Canada - Quebec Permissible Exposure Values for Airborne Contaminants	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Mineral oil (mist): Pure, highly and ultra-refined - inhalable dust	5 mg/m3	Not Available	Not Available	Not Available
Canada - Nova Scotia Occupational Exposure LimitsCanada	DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Oil mist - mineral	5 mg/m3	10 mg/m3	Not Available	TLV Basis: lung. As sampled by method that does not collect vapor.
Canada - Yukon Permissible Concentrations for Airborne Contaminant Substances	carbon dioxide	Carbon dioxide	5,000 ppm / 9,000 mg/m3	27,000 mg/m3 / 15,000 ppm	Not Available	Not Available
Canada - Saskatchewan Occupational Health and Safety Regulations - Contamination Limits	carbon dioxide	Carbon dioxide	5000 ppm	30,000 ppm	Not Available	Not Available
Canada - Manitoba Occupational Exposure Limits	carbon dioxide	Not Available	5000 ppm	30000 ppm	Not Available	TLV® Basis: Asphyxia
Canada - Prince Edward Island Occupational Exposure Limits	carbon dioxide	Carbon dioxide	5000 ppm	30000 ppm	Not Available	TLV® Basis: Asphyxia
Canada - British Columbia Occupational Exposure Limits	carbon dioxide	Carbon dioxide	5000 ppm	15,000 ppm	Not Available	Not Available
Canada - Alberta Occupational Exposure Limits	carbon dioxide	Carbon dioxide	5000 ppm / 9000 mg/m3	54,000 mg/m3 / 30,000 ppm	Not Available	Not Available
Canada - Northwest Territories Occupational Exposure Limits	carbon dioxide	Carbon dioxide	5000 ppm	30,000 ppm	Not Available	Not Available
Canada - Quebec Permissible Exposure Values for Airborne Contaminants	carbon dioxide	Carbon dioxide	5000 ppm / 9000 mg/m3	54000 mg/m3 / 30000 ppm	Not Available	Not Available
Canada - Nova Scotia Occupational Exposure LimitsCanada	carbon dioxide	Carbon dioxide	5000 ppm	30000 ppm	Not Available	TLV Basis: asphyxia; 19.5% minimum oxygen content by volume under normal atmospheric pressure.
Ingredient	Original IDLH			Revised IDLH		
PETROLEUM DISTILLATES LIGHT(R)	2,500 mg/m3			Not Available		
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	2,500 mg/m3			Not Available		
3-methoxy-3-methyl-1-butanol	Not Available			Not Available		
di-C10-18-alkylbenzenesulfonic acid, calcium salt*	Not Available			Not Available		
dinonylphenol phosphate, ethoxylated	Not Available			Not Available		
carbon dioxide	40,000 ppm			Not Available		

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard 'physically' away from the worker and ventilation that strategically 'adds' and 'removes' air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. General exhaust is adequate under normal conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying 'escape' velocities which, in turn, determine the 'capture velocities' of fresh circulating air required to effectively remove the contaminant.
Type of Contaminant:	Speed:
aerosols, (released at low velocity into zone of active generation)	0.5-1 m/s

LPS® TKX (Aerosol)

direct spray, spray painting in shallow booths, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min.)
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Within each range the appropriate value depends on:

Lower end of the range	Upper end of the range
1: Room air currents minimal or favourable to capture	1: Disturbing room air currents
2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity
3: Intermittent, low production.	3: High production, heavy use
4: Large hood or large air mass in motion	4: Small hood-local control only

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

Individual protection measures, such as personal protective equipment



Eye and face protection

- ▶ Safety glasses with side shields.
- ▶ Chemical goggles, [AS/NZS 1337.1, EN166 or national equivalent]
- ▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.
- ▶ Close fitting gas tight goggles

Skin protection

See Hand protection below

Hands/feet protection

- NOTE:**
- ▶ The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
 - ▶ No special equipment needed when handling small quantities.
 - ▶ OTHERWISE:
 - ▶ For potentially moderate exposures:
 - ▶ Wear general protective gloves, eg. light weight rubber gloves.
 - ▶ For potentially heavy exposures:
 - ▶ Wear chemical protective gloves, eg. PVC. and safety footwear.

Body protection

See Other protection below

Other protection

- No special equipment needed when handling small quantities.
- OTHERWISE:**
- ▶ Overalls.
 - ▶ Skin cleansing cream.
 - ▶ Eyewash unit.
 - ▶ Do not spray on hot surfaces.

Respiratory protection

Type A Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Aerosols, in common with most vapours/ mists, should never be used in confined spaces without adequate ventilation. Aerosols, containing agents designed to enhance or mask smell, have triggered allergic reactions in predisposed individuals.

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Green		
Physical state	Compressed Gas	Relative density (Water = 1)	0.839
Odour	Sweet	Partition coefficient n-octanol / water	<1
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Applicable	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	<20
Initial boiling point and boiling range (°C)	213	Molecular weight (g/mol)	Not Available
Flash point (°C)	73	Taste	Not Available
Evaporation rate	<0.1 BuAc = 1	Explosive properties	Not Available
Flammability	HIGHLY FLAMMABLE.	Oxidising properties	Not Available
Upper Explosive Limit (%)	7	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	0.6	Volatile Component (%vol)	70
Vapour pressure (kPa)	<0.01	Gas group	Not Available
Solubility in water	Immiscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC %	2.5%
Heat of Combustion (kJ/g)	>30	Ignition Distance (cm)	Not Available
Flame Height (cm)	Not Available	Flame Duration (s)	Not Available

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Enclosed Space Ignition Time Equivalent (s/m3)	Not Available	Enclosed Space Ignition Deflagration Density (g/m3)	Not Available
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SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	▶ Elevated temperatures. ▶ Presence of open flame. ▶ Product is considered stable. ▶ Hazardous polymerisation will not occur.
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

a) Acute Toxicity	Based on available data, the classification criteria are not met.
b) Skin Irritation/Corrosion	Based on available data, the classification criteria are not met.
c) Serious Eye Damage/Irritation	There is sufficient evidence to classify this material as eye damaging or irritating
d) Respiratory or Skin sensitisation	There is sufficient evidence to classify this material as sensitising to skin or the respiratory system
e) Mutagenicity	Based on available data, the classification criteria are not met.
f) Carcinogenicity	Based on available data, the classification criteria are not met.
g) Reproductivity	Based on available data, the classification criteria are not met.
h) STOT - Single Exposure	Based on available data, the classification criteria are not met.
i) STOT - Repeated Exposure	Based on available data, the classification criteria are not met.
j) Aspiration Hazard	There is sufficient evidence to classify this material as an aspiration hazard
Inhaled	The vapour is discomfoting WARNING: Intentional misuse by concentrating/inhaling contents may be lethal.
Ingestion	Considered an unlikely route of entry in commercial/industrial environments
Skin Contact	Open cuts, abraded or irritated skin should not be exposed to this material Spray mist may produce discomfort
Eye	This material causes serious eye irritation.
Chronic	Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population. Main route of exposure to the gas in the workplace is by inhalation.

LPS® TKX (Aerosol)	<table><tr><th>TOXICITY</th><th>IRRITATION</th></tr><tr><td>Not Available</td><td>Not Available</td></tr></table>	TOXICITY	IRRITATION	Not Available	Not Available						
TOXICITY	IRRITATION										
Not Available	Not Available										
PETROLEUM DISTILLATES LIGHT(R)	<table><tr><th>TOXICITY</th><th>IRRITATION</th></tr><tr><td>Dermal (rabbit) LD50: >2000 mg/kg^[1]</td><td>Eye: no adverse effect observed (not irritating)^[1]</td></tr><tr><td>Inhalation (Rat) LC50: >4.3 mg/l4h^[1]</td><td>Skin: adverse effect observed (irritating)^[1]</td></tr><tr><td>Oral (Rat) LD50: >5000 mg/kg^[2]</td><td></td></tr></table>	TOXICITY	IRRITATION	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: no adverse effect observed (not irritating) ^[1]	Inhalation (Rat) LC50: >4.3 mg/l4h ^[1]	Skin: adverse effect observed (irritating) ^[1]	Oral (Rat) LD50: >5000 mg/kg ^[2]			
TOXICITY	IRRITATION										
Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: no adverse effect observed (not irritating) ^[1]										
Inhalation (Rat) LC50: >4.3 mg/l4h ^[1]	Skin: adverse effect observed (irritating) ^[1]										
Oral (Rat) LD50: >5000 mg/kg ^[2]											
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	<table><tr><th>TOXICITY</th><th>IRRITATION</th></tr><tr><td>Dermal (rabbit) LD50: >2000 mg/kg^[1]</td><td>Eye: no adverse effect observed (not irritating)^[1]</td></tr><tr><td>Inhalation (Rat) LC50: 2.18 mg/l4h^[2]</td><td>Skin (Rodent - rabbit): 500mg - Severe</td></tr><tr><td>Oral (Rat) LD50: >5000 mg/kg^[2]</td><td>Skin (Rodent - rabbit): 500mg - Severe</td></tr><tr><td></td><td>Skin: no adverse effect observed (not irritating)^[1]</td></tr></table>	TOXICITY	IRRITATION	Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: no adverse effect observed (not irritating) ^[1]	Inhalation (Rat) LC50: 2.18 mg/l4h ^[2]	Skin (Rodent - rabbit): 500mg - Severe	Oral (Rat) LD50: >5000 mg/kg ^[2]	Skin (Rodent - rabbit): 500mg - Severe		Skin: no adverse effect observed (not irritating) ^[1]
TOXICITY	IRRITATION										
Dermal (rabbit) LD50: >2000 mg/kg ^[1]	Eye: no adverse effect observed (not irritating) ^[1]										
Inhalation (Rat) LC50: 2.18 mg/l4h ^[2]	Skin (Rodent - rabbit): 500mg - Severe										
Oral (Rat) LD50: >5000 mg/kg ^[2]	Skin (Rodent - rabbit): 500mg - Severe										
	Skin: no adverse effect observed (not irritating) ^[1]										
3-methoxy-3-methyl-1-butanol	<table><tr><th>TOXICITY</th><th>IRRITATION</th></tr><tr><td>dermal (rat) LD50: >2000 mg/kg^[1]</td><td>Eye: adverse effect observed (irritating)^[1]</td></tr><tr><td>Inhalation (Rat) LC50: >5 mg/l4h^[1]</td><td>Skin: no adverse effect observed (not irritating)^[1]</td></tr><tr><td>Oral (Rat) LD50: >2000 mg/kg^[1]</td><td></td></tr></table>	TOXICITY	IRRITATION	dermal (rat) LD50: >2000 mg/kg ^[1]	Eye: adverse effect observed (irritating) ^[1]	Inhalation (Rat) LC50: >5 mg/l4h ^[1]	Skin: no adverse effect observed (not irritating) ^[1]	Oral (Rat) LD50: >2000 mg/kg ^[1]			
TOXICITY	IRRITATION										
dermal (rat) LD50: >2000 mg/kg ^[1]	Eye: adverse effect observed (irritating) ^[1]										
Inhalation (Rat) LC50: >5 mg/l4h ^[1]	Skin: no adverse effect observed (not irritating) ^[1]										
Oral (Rat) LD50: >2000 mg/kg ^[1]											
di-C10-18-alkylbenzenesulfonic acid, calcium salt*	<table><tr><th>TOXICITY</th><th>IRRITATION</th></tr><tr><td>Not Available</td><td>Not Available</td></tr></table>	TOXICITY	IRRITATION	Not Available	Not Available						
TOXICITY	IRRITATION										
Not Available	Not Available										

dinonylphenol phosphate, ethoxylated	TOXICITY	IRRITATION
	Not Available	Not Available
carbon dioxide	TOXICITY	IRRITATION
	Not Available	Not Available
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

Acute Toxicity	✗	Carcinogenicity	✗
Skin Irritation/Corrosion	✗	Reproductivity	✗
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	✗
Respiratory or Skin sensitisation	✓	STOT - Repeated Exposure	✗
Mutagenicity	✗	Aspiration Hazard	✓

Legend: ✗ – Data either not available or does not fill the criteria for classification
✓ – Data available to make classification

SECTION 12 Ecological information

Toxicity					
LPS® TKX (Aerosol)	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
PETROLEUM DISTILLATES LIGHT(R)	Endpoint	Test Duration (hr)	Species	Value	Source
	NOEC(ECx)	3072h	Fish	1mg/l	1
	LC50	96h	Fish	2.2mg/L	4
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Endpoint	Test Duration (hr)	Species	Value	Source
	EC50	48h	Crustacea	>1000mg/l	1
	EC50	96h	Algae or other aquatic plants	>1000mg/l	1
	NOEC(ECx)	504h	Crustacea	>1mg/l	1
	ErC50	72h	Algae or other aquatic plants	>1000mg/l	1
3-methoxy-3-methyl-1-butanol	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96h	Fish	>100mg/l	2
	EC50	72h	Algae or other aquatic plants	>1000mg/l	2
	EC50	48h	Crustacea	>1000mg/l	2
	NOEC(ECx)	504h	Crustacea	100mg/l	2
di-C10-18-alkylbenzenesulfonic acid, calcium salt*	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
dinonylphenol phosphate, ethoxylated	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
carbon dioxide	Endpoint	Test Duration (hr)	Species	Value	Source
	LC50	96h	Fish	35mg/l	1
Legend:	Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data				

DO NOT discharge into sewer or waterways.

Persistence and degradability		
Ingredient	Persistence: Water/Soil	Persistence: Air
3-methoxy-3-methyl-1-butanol	LOW	LOW
carbon dioxide	LOW	LOW

Bioaccumulative potential

Continued...

Ingredient	Bioaccumulation
PETROLEUM DISTILLATES LIGHT(R)	LOW (BCF = 159)
3-methoxy-3-methyl-1-butanol	LOW (LogKOW = 0.4555)
carbon dioxide	LOW (LogKOW = 0.83)

Mobility in soil

Ingredient	Mobility
3-methoxy-3-methyl-1-butanol	HIGH (Log KOC = 1)
carbon dioxide	HIGH (Log KOC = 1.498)

SECTION 13 Disposal considerations

Waste treatment methods

Product / Packaging disposal	- Consult State Land Waste Management Authority for disposal. - Discharge contents of damaged aerosol cans at an approved site. - Allow small quantities to evaporate. DO NOT incinerate or puncture aerosol cans. - Bury residues and emptied aerosol cans at an approved site.
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SECTION 14 Transport information

Labels Required

	
Marine Pollutant	NO

Land transport (TDG)

14.1. UN number or ID number	1950	
14.2. UN proper shipping name	AEROSOLS	
14.3. Transport hazard class(es)	Class	2.1
	Subsidiary Hazard	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Special provisions	80, 107
	Explosive Limit and Limited Quantity Index	1 L
	ERAP Index	Not Applicable

Air transport (ICAO-IATA / DGR)

14.1. UN number	1950	
14.2. UN proper shipping name	Aerosols, flammable	
14.3. Transport hazard class(es)	ICAO/IATA Class	2.1
	ICAO / IATA Subsidiary Hazard	Not Applicable
	ERG Code	10L
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Special provisions	A145 A167 A802
	Cargo Only Packing Instructions	203
	Cargo Only Maximum Qty / Pack	150 kg
	Passenger and Cargo Packing Instructions	203
	Passenger and Cargo Maximum Qty / Pack	75 kg
	Passenger and Cargo Limited Quantity Packing Instructions	Y203
	Passenger and Cargo Limited Maximum Qty / Pack	30 kg G

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	1950
14.2. UN proper shipping name	AEROSOLS

14.3. Transport hazard class(es)	IMDG Class	2.1
	IMDG Subsidiary Hazard	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	EMS Number	F-D, S-U
	Special provisions	63 190 277 327 344 381 959
	Limited Quantities	1000 ml

14.7. Maritime transport in bulk according to IMO instruments

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code
Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
PETROLEUM DISTILLATES LIGHT(R)	Not Available
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Not Available
3-methoxy-3-methyl-1-butanol	Not Available
di-C10-18-alkylbenzenesulfonic acid, calcium salt*	Not Available
dinonylphenol phosphate, ethoxylated	Not Available
carbon dioxide	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
PETROLEUM DISTILLATES LIGHT(R)	Not Available
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R)	Not Available
3-methoxy-3-methyl-1-butanol	Not Available
di-C10-18-alkylbenzenesulfonic acid, calcium salt*	Not Available
dinonylphenol phosphate, ethoxylated	Not Available
carbon dioxide	Not Available

SECTION 15 Regulatory information

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

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

PETROLEUM DISTILLATES LIGHT(R) is found on the following regulatory lists

- Canada Categorization decisions for all DSL substances
- Canada Domestic Substances List (DSL)
- Canada Toxicological Index Service - Workplace Hazardous Materials Information System - WHMIS GHS
- Chemical Footprint Project - Chemicals of High Concern List
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R) is found on the following regulatory lists

- Canada Categorization decisions for all DSL substances
- Canada Domestic Substances List (DSL)
- Chemical Footprint Project - Chemicals of High Concern List
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans
- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic

3-methoxy-3-methyl-1-butanol is found on the following regulatory lists

- Canada Categorization decisions for all DSL substances
- Canada Domestic Substances List (DSL)

di-C10-18-alkylbenzenesulfonic acid, calcium salt* is found on the following regulatory lists

- Not Applicable

dinonylphenol phosphate, ethoxylated is found on the following regulatory lists

- Canada Categorization decisions for all DSL substances

Canada Domestic Substances List (DSL)

carbon dioxide is found on the following regulatory lists

- Canada Categorization decisions for all DSL substances
- Canada Domestic Substances List (DSL)
- Canada Toxicological Index Service - Workplace Hazardous Materials Information System - WHMIS GHS
- FEI Equine Prohibited Substances List - Controlled Medication
- FEI Equine Prohibited Substances List (EPSL)

Additional Regulatory Information

Not Applicable

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (PETROLEUM DISTILLATES LIGHT(R); DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R); 3-methoxy-3-methyl-1-butanol; di-C10-18-alkylbenzenesulfonic acid, calcium salt*; dinonylphenol phosphate, ethoxylated; carbon dioxide)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	No (dinonylphenol phosphate, ethoxylated)
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	All chemical substances in this product have been designated as TSCA Inventory 'Active'
Taiwan - TCSI	Yes
Mexico - INSQ	No (di-C10-18-alkylbenzenesulfonic acid, calcium salt*; dinonylphenol phosphate, ethoxylated)
Vietnam - NCI	Yes
Russia - FBEPH	No (dinonylphenol phosphate, ethoxylated)
UAE - Control List (Banned/Restricted Substances)	No (PETROLEUM DISTILLATES LIGHT(R); DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC(R); 3-methoxy-3-methyl-1-butanol; di-C10-18-alkylbenzenesulfonic acid, calcium salt*; dinonylphenol phosphate, ethoxylated; carbon dioxide)
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date	12/09/2025
Initial Date	23/02/2023

Other information

Ingredients with multiple cas numbers

Name	CAS No
3-methoxy-3-methyl-1-butanol	56539-66-3, 1895087-38-3, 77908-12-4

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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