

Safety Data Sheet

L-Spin 12 (Spindle Oil)

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name L-Spin 12
Application Premium Spindle Oil
Company Tachem Specialty Chemicals Sdn. Bhd.
Address No 20, 22 & 24, Jalan TPP 6/2, Taman Perindustrian Puchong, 47100 Puchong, Selangor Darul Ehsan, Malaysia.

2 HAZARDS IDENTIFICATION

Classification Label Eye irritation: Category 2.
Symbol:



Signal Word Warning
Hazard Statements Health: H320: Causes eye irritation.
Precautionary Statements Prevention: P280: Wear protective gloves and eye / face protection.
Response: P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
Storage: P403 + P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
Disposal: P501: Dispose of contents and container in accordance with local regulations.

Other Hazard Information **Physical/Chemical Hazards**

- Not classified as flammable but will burn.

Health Hazards

- Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis. Used oil may contain harmful impurities.

Environmental Hazards

- No significant hazards.

Note: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

3 COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients

Name	CAS No.	Percentage (by wt.)	GHS Hazard Codes
Inorganic Phosphate	Confidential	< 1%	H320

Safety Data Sheet

L-Spin 12 (Spindle Oil)

4 FIRST AID MEASURES

General	In all causes of doubt obtain medical attention.
Inhalation	In the unlikely event of dizziness or nausea, remove casualty to fresh air. If symptoms persist, obtain medical attention.
Skin Contact	Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention.
Eye Contact	Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
Ingestion	Wash out mouth with water and obtain medical attention. Do NOT induce vomiting.

5 FIRE FIGHTING MEASURES

Flash Point	186 °C
Appropriate Extinguishing Media	CO ₂ , dry chemical, foam, water fog.
Inappropriate Extinguishing Media	Straight streams of water.
Fire Fighting Procedures	Evacuate area. Recommend wearing self-contained breathing apparatus.
Unusual Fire Hazards	Combustible. Hazardous material. Firefighters should consider suitable protective equipment.
Hazardous Combustion Products	Smoke, Fume, Oxides of carbon, Incomplete combustion products.

6 ACCIDENTAL RELEASE MEASURES

Personal Precaution	Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Work gloves that are chemical resistant and chemical goggles are recommended
Spill Management	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect the spilled product into suitable containers, which must be tightly sealed and properly labelled.
Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas.

7 HANDLING AND STORAGE

Handling	To avoid the possibility of skin disorders, repeated or prolonged contact with product of this type must be avoided. It is essential to maintain a high standard of personal hygiene. Loading/Unloading Temperature: [Ambient]
Storage	Keep in a cool, dry, well-ventilated place. Use properly labeled and closable containers. Avoid direct sunlight, heat sources and strong oxidizing agents. Storage Temperature: [Ambient]

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Other Exposure Limits	Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m ³ , ACGIH STEL Of 10 mg/m ³ .
Engineering Controls	Use material in well-ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
Respiratory Protection	Use disposable dust/mist mask or full face piece respirator if the exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for

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Safety Data Sheet

L-Spin 12 (Spindle Oil)

Eye Protection

Hand Protection

Clothing Recommendation

other poorly ventilated areas and for large spill clean-up sites.

Chemical goggles with side shields.

Chemical resistant gloves. Nitrile gloves.

Wear either a chemical protective suit or apron when potential for contact with material exists. Use chemically protective boots when necessary. Do not wear rings, watches or similar apparel that could entrap the material and cause a burn. Launder contaminated clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless liquid
Odor	Mild petroleum
Viscosity @ 40°C, cSt	10.70
Flash Point, °C	186
Melting Point, °C	Not determined
Specific Gravity @ 20 °C	0.828
Solubility in water, 20°C	Insoluble
in Mineral Oil, 20°C	Soluble
Ignition Point	Not determined
Explosion Limits @ Vol.%, lower:	Not determined
upper:	Not determined

10 STABILITY AND REACTIVITY

Stability

Conditions to avoid

Materials to avoid

Hazardous decomposition products

Possibility of hazardous reactions

Material is stable under normal conditions.

Avoid heat, sparks, open flames and other ignition sources.

Strong oxidizing agents.

Material does not decompose at ambient temperatures.

Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

HAZARD CLASS	CONCLUSION/REMARKS
Inhalation	
Acute Toxicity: (Rat) 4 hour(s) LC50 > 5000 mg/m ³ (Vapour)	Minimally Toxic.
Irritation	Negligible hazard at ambient/normal handling temperatures.
Ingestion	
Acute Toxicity (Rat): LD50 > 5000 mg/kg	Minimally Toxic.
Skin	
Acute Toxicity (Rabbit): LD50 > 5000 mg/kg	Minimally Toxic.
Skin Corrosion/Irritation	Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

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Safety Data Sheet

L-Spin 12 (Spindle Oil)

Eye	
Serious Eye Damage/Irritation	May cause mild, short-lasting discomfort to eyes.
Sensitisation	
Respiratory Sensitization	Not expected to be a sensitizer.
Skin Sensitization	Not expected to be a sensitizer.
Aspiration	Not considered an aspiration hazard.
Germ Cell Mutagenicity	Not considered a mutagenic hazard.
Carcinogenicity	Not expected to be carcinogenic.
Reproductive Toxicity	Not expected to be reproductive hazard.
Specific Target Organ Toxicity - Single Exposure	Not expected to be a hazard.
Specific Target Organ Toxicity - Repeated Exposure	Not expected to be a hazard.

12	ECOLOGICAL INFORMATION
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Ecotoxicity Persistence and degradability Bioaccumulative Potential Mobility in Soil	Poorly soluble mixture. May cause physical fouling of aquatic organisms. Major constituents are expected to be readily biodegradable, but the product contains components that may persist in the environment. Contains components with the potential to bioaccumulate. Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.
Other Adverse Effects	Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13	DISPOSAL CONSIDERATIONS
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Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Disposal recommendations Empty Container Warning	Consult State Land Waste Management Authority for disposal. Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.
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14	TRANSPORT INFORMATION
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Land Sea (IMDG) Air (IATA)	Not Regulated for Land Transport. Not Regulated for Sea Transport according to IMDG-Code. Not Regulated for Air Transport.
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Safety Data Sheet

L-Spin 12 (Spindle Oil)

15

REGULATORY INFORMATION

Classification and labeling in accordance with Industrial Safety and Health Law:

**Classification
Label**

Eye irritation: Category 2.
Symbol:



**Signal Word
Hazard Statements
Precautionary Statements**

Warning
Health: H320: Causes eye irritation.
Prevention: P280: Wear protective gloves and eye / face protection.
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16

OTHER INFORMATION

Revision 00 (Date: 21/10/2016)

Key to the H-codes contained in section 3 of this document (for information only):

H320: Causes eye irritation.