

MATERIAL SAFETY DATA SHEET

Page 1 of 4

Product Name: **SEALXPERT® SP40 MULTIPURPOSE LUBRICANT**
MSDS No: 196

Revision No: 0

Issued by: Yogesh
Issue Date: 30 August 2016

Section 1 – Company Details

Company Name: SealXpert Products
Address: 60 Kaki Bukit Place #09-11 Eunos Techpark
Singapore 415979

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Fax: +65 6749 6916
Email: mailbox@sealxpert.com

Section 2 – Composition

Ingredient	CAS NO.	Content (Wt%)
Kerosene	8008-20-6	50-60
Petroleum distillates	68476-85-7	20-30
Motor oil	-	10-15
Emulsifier	-	3-8
Toluene	108-88-3	3-5
Barium alkyl sulfonate	-	3-4
Antirust	-	1-3
Perfume	-	1-2

Section 3 – Hazardous Identification

EMERGENCY OVERVIEW

DANGER: Flammable. Harmful or fatal if swallowed. Contents under pressure. Appearance and odor: Amber liquid, mild petroleum odor

Potential health effects:

Acute effects:

- Eye: Slightly irritating but does not injure eye tissue.
Skin: Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity.
Inhalation: High vapor concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects.
Ingestion: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Chronic effects: None known

Target organs: None known

Medical conditions aggravated by exposure: pre-existing dermatitis

Section 4 – First Aid Measures

- Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Ingestion: Rinse mouth. If swallowed, do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:

May be fatal if swallowed and enters airways. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child.

MATERIAL SAFETY DATA SHEET

Page 2 of 4

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Section 5 – Fire Fighting Measures

Flammable Properties: This product is flammable in accordance with aerosol flammability definitions.

Flash point: 192°F / 89°C (TCC)

Upper explosive limit: 5.0

Autoignition temperature: ND

Lower explosive limit: 0.7

Fire and Explosion Data:

Suitable extinguishing media: Foam, dry chemical, or water spray

Products of combustion: Oxides of carbon

Explosion hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode. Vapors may accumulate in a confined space and create a flammable atmosphere.

Protection of fire-fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6 – Accidental Release Measures

Personnel precautions: Ensure adequate ventilation, especially in confined areas
Avoid contact with skin, eyes or clothing
Avoid breathing vapors or mists
Use personal protection recommended in Section 8

Environmental precautions: Do not allow into any sewer, on the ground or into any body of water

Spill cleanup measures: Prevent further leakage or spillage if safe to do so
Absorb spillage to prevent material damage
Ventilation

Section 7 – Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice
Ensure adequate ventilation, especially in confined areas
Avoid contact with skin, eyes or clothing
Wash contaminated clothing before reuse
Remove all sources of ignition
Wash thoroughly after handling
Do not eat, drink or smoke when using this product
Use personal protection recommended in Section 8
Do not puncture or incinerate cans

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place
Keep away from heat
Keep locked up and out of reach of children
Keep away from food, drink and animal feeding stuffs
Store in accordance with local regulations

Hygiene practices: Wash thoroughly after handling.

Section 8 – Exposure Controls / Personal Protection

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Eye protection: Wear safety glasses with side shields (or goggles)

Skin protection: Wear appropriate protective gloves and other protective apparel to prevent skin contact.

Respiratory system protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

MATERIAL SAFETY DATA SHEET

Page 3 of 4

Product Name: **SEALXPERT® SP40 MULTIPURPOSE LUBRICANT**
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Section 9 – Physical and Chemical Characteristics

Appearance:	Aerosol
Colour:	Brown transparent
Odor:	Fragrance
Odor Threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	Not determined
Boiling point / boiling range:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability:	Extremely flammable aerosol
Flammability Limit in Air:	Not determined
Vapor Pressure:	Not determined
Vapor density:	Not determined
Density:	0.68±0.01 g/cm ³
Relative density:	Not determined
Bulk density:	Not determined
Specific gravity:	Not determined
Water solubility:	Insoluble in water
Partition coefficient:	Petroleum distillates (CAS #: 68476-85-7): 2.8 Toluene (CAS #: 108-88-3): 2.65
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined
Kinematic viscosity:	Not determined
Dynamic viscosity:	Not determined
Explosive properties:	Not an explosive
Oxidizing properties:	Not determined

Section 10 – Stability and Reactivity

Stability:	Stable under normal conditions
Possibility of hazardous reactions:	Risk of explosion if heated under confinement
Conditions to avoid:	Heat, flames and sparks
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	None under normal use conditions

Section 11 – Toxicological Information

Health hazard:	Refer to section 3
Sensitization:	Not known
Mutagenicity:	Not known
Procreation transmissibility:	Not known
Carcinogenicity:	Not known
Other health hazard information:	Unavailable

Section 12 – Ecological Information

Eco-toxicity: No Eco-toxicity data was found for the product.
Environmental fate: No environmental information found for this product.

Section 13 – Disposal Considerations

Special instructions: Observe all federal, state and local laws and regulations.

Section 14 – Transportation Information

US DOT (ground):	UN1950, Aerosols, flammable, 2.1, Limited Quantity
ICAO/IATA (air):	UN1950, Aerosols, flammable, 2.1, Limited Quantity
IMO/IMDG (water):	UN1950, Aerosols, 2.1, Limited Quantity
Special Provisions:	None

MATERIAL SAFETY DATA SHEET

Page 4 of 4

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Section 15 – Regulatory Information

Observe the governmental or local regulations to use the product safely.

Section 16 – Other Information

Discard contaminated clothing immediately. Maintain clean equipment and work areas. Avoid inhalation. Wipe up spills immediately.

Warning to users:

This data sheet completes the technical notices but does not supersede them. The information contained in it is grounded to the statement of our knowledge of the product concerned at the publishing date.

Moreover, user's attention should be drawn on the possible risks incurred when a product is used for other purposes than those for which it has been designed. It does not stop in any case the user knowing and following the whole regulatory texts related to his activity. He will be the sole responsible of the precautions related to the use of the products he knows.

The aim of the whole regulatory prescriptions mentioned is to help the receiver to fulfill his duties when using the product. This list must not be considered as exhaustive. It does not stop the user from making sure that he complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which he is the sole responsible person.