



# SAFETY DATA SHEET

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Revised edition no : 02

## P-521 PENETRATING & LUBRICATING

Effective Date: 26.6.2020

### 1 Identification of the Product and the company

Chemical Name : Penetrating & Lubricating Product  
Type of product chemical family : N/A  
Use : Penetrating & Lubricating Spray  
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD  
No.22 & 23, Jalan Maju 1,  
Cemerlang Industrial Estate,  
81800 Ulu Tiram, Johor, Malaysia.  
Tel: 607-8675798 Fax: 607-8675799  
Website: www.koyachemicals.com Email: admin@koyachemicals.com

Emergency phone nr : See producer  
UN NUMBER : DG UN1950 / IMO 2.1 / JPA 3

### 2 Hazard Identification

Flammable Aerosol Category 1  
Aspiration Toxicity Category 1



Signal Word : DANGER!

Hazard Statement

H222 Extremely Flammable Aerosol.

H229 Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

Precautionary Statement

P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

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

P501 Dispose of contents and container in accordance with local and national regulations.

### 3 Composition / Information on Ingredients

Hazardous ingredients : Isopar 40%  
anti-rust 20%  
LPG 40%

### 4 First Aid Measures

Inhalation Inhalation of mists may cause coughing, headache and dizziness. If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Skin Contact Skin contact may cause drying of the skin. Wash with soap and water. If irritation develops and persists, get medical attention.

Ingestion Harmful or fatal if swallowed, may be aspirated and cause lung damage. If Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center immediately.

Eye Contact May cause eye irritation. Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

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#### 5 Fire-Fighting Measures

Extinguishing Media	Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or . flooding amounts of water. Burning product will float on the surface and spread fire
Special Fire Fighting Procedures	Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.
Unusual Fire and Explosion Hazards	Contents under pressure. Extremely flammable aerosol. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors can cause a flash fire. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in

#### 6 Accidental Release measures

Personal protection	Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).
Environment precautions	Report spills to authorities as required. product enetring sewers and waterways.
Cleaning / recovery	Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

#### 7 Handling and Storage

Handling	Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers even when empty. closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers,
Storage	Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. Store away from oxidizers.

#### 8 Exposure controls / personal protection

The Following Controls are Recommended for Normal Consumer Use of this Product  
Engineering Controls: Use in a well-ventilated area.

**Personal Protection:**

Eye Protection: Avoid eye contact. Always spray away from your face.

Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

Respiratory Protection: None needed for normal use with adequate ventilation.

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For Bulk Processing or Workplace Use the Following Controls are Recommended

Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

**Personal Protection:**

Eye Protection: Safety goggles recommended where eye contact is possible.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration.

Work/Hygiene Practices: Wash with soap and water after handling.

**9 Physical and chemical properties**

Physical State	: Liquid
Appearance and odour	: Transparent to pale yellow , selective fragrance to standard
Solubility in water	: Slight soluble
Melting Point	: Not applicable
Vapor Pressure (mm hg)	: 4,464 (mmHg)
PH	: 5
Specific Gravity	: 0.8 - 0.9
Internal Pressure	: 5.0 +/- 0.5 kg/cm <sup>2</sup> (at 25°C)

**10 Stability and reactivity**

Stability	: Stable
Condition to avoid	: Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.
Incompatibility (materials to avoid)	: Avoid contact with Strong oxidizing agents.
Hazardous Decomposition Products	: Carbon monoxide and carbon dioxide.
Reactivity	: Not reactive under normal conditions
Possibility of Hazardous Reactions	: Hazardous polymerization will not occur.

**11 Toxicological information**

**Symptoms of Overexposure:**

Inhalation:	High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.
Skin Contact:	Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.
Eye Contact:	Contact may be irritating to eyes. May cause redness and tearing.
Ingestion:	This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death

**12 Ecological information**

Ecotoxicity No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms. If applied to leaves may kill grasses and small plants by interfering with respiration and transpiration. This product is not toxic to fish but may coat gill structures resulting in suffocation.

Persistence and Degradability: Components are expected to be biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected based on an assessment of the ingredients.

Mobility in Soil: No data available.

Other Adverse Effects: None Known

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### 13 Disposal Considerations

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

### 14 Transport information

IMO PROPER SHIPPING NAME : Spray Grease  
IMO U.N. CLASS : 2.1  
IMO U.N. NUMBER : UN 1950  
IMO LABEL : Flammable Gases



### 15 Regulatory Information

Classification and labeling  
Flammable Aerosol Category 1  
Aspiration Toxicity Category 1



Signal Word : DANGER!

Hazard Statement

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H229 Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

Governing directive : Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997

Safety advice P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331 Do NOT induce vomiting.  
P405 Store locked up.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501 Dispose of contents and container in accordance with local and national regulations.

### 16 Other information

Further information : None  
Print date : 26.6.2020

N/A - Not Applicable N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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