


MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Rust oil wax P-22AR
Other Name	—
Purpose / Limit	Rust preventive oil
Manufacturer & Distributorship	YUEH TEH LUBRICATING OIL CO., LTD.
	ADDRESS (Number, Street, City, Country)
	NO.136,FU-DER 1 ST ROAD, KAOHSIUNG TAIWAN, R.O.C.
	Emergency Contact Tel. :(07)721-1890; //Fax: (07)751-9715

SECTION 2 HAZARDS RECOGNITION

Hazards Classification		Flammable liquid category 4; Skin corrosion/irritation category 3; Serious eye damage /eye irritation category 2B; Aspiration toxicity category 2
Pictograms Contents	Pictograms	 Health Hazard
	Warnings	Warning
	Hazards	Combustible liquid Causes eye irritation Causes mild skin irritation May be harmful if swallowed and enters airways
	Protection	Away from fire/heat Avoid breathing it (gas/ vapor) Recommend working in the condition with good ventilation and exhaust device Wear protective clothing as required to minimize contact, solvent resistant gloves, safety glasses and gauze mask Go to hospital as soon as possible when feeling sick
Other Hazard		Do not discharge it (must be up to the standard).

SECTION 3 INGREDIENTS

solvent (50~60%); Refined heavy mineral oil (20~30%); Water displacement agent (5~10%);
Oxidized wax (1~7%);

Chemistry	—	
Name of Hazards Ingredient	Concentration or Range (Percentage)	CAS NO.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove to fresh air.
Skin Contact	Wash with mild soap and warm water.
Eye Contact	Flush with cool/clean water for at least 15 minutes.
Ingestion	Send to the hospital to examine.
Main Symptom and Hazards Effect	Must go to hospital and have the examination as soon as possible when feeling ill.
Protection to First Aider	Wear safety glasses or protective masks.
Instruction to Doctor	To inform him/them the exposed region/avenue, time and place.

SECTION 5 FIRE-FIGHTING MEASURES

Applicative Fire-Extinguishing Chemicals	General fire prevention (CO2, Foam, Dry chemical, etc.).
Special Hazard During Putting Out A Fire	Oil floats on water, maybe the fire will spread.
Special Fire Fighting Procedures	Standing in the place of upwind side (Do not use water).
Special Protective Equipment to Fireman	General protective equipment and chemical protective suit.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Individual Precautions	Wear personal and suitable protective equipment.(safety glasses, Solvent resistant) Wear protective clothing as required to minimize contact.
Environmental Precautions	Do not allow to enter drains and waterways.(contain by damming) Do not release into the environment.
Methods of cleaning up/taking up	Absorb with dry sand, earth or similar material and place in a chemical waste container. Away from heat/power sources and sunlight perpendicular incidence place. According to local laws (Suggestion: burning method).

SECTION 7 HANDLING AND STORAGE

Handing	Keep containers close when moving it or after using. Don not let working place be filled with odor.
Storage	Keep only in original container. Avoid ignition sources and high temperature.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls	Recommend working in the condition with good ventilation and exhaust device.	
Exposure Limits	Time Weighted Average (8hrs/day) / Short Term Exposure Limit / TLV: Not determined. Biomarkers: Not determined.	
Personal Protection	Respiration	Mask or respiratory protective device
	Hand	Protective Gloves
	Eye	Safety glasses
	Skin	Long sleeve clothing
	Sanitation	Should conform to general protection regulations and Labor Safety and Health Law.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Rufous transparent liquid	Odor	Solvent odor
Olfactory Thresholds	Not determined	Melting Point	Not determined
pH Value	(3%):---	Boiling Point /Range	150 °C or thereabouts
Flammability (solid · gas)	No	Flash Point (Cleveland)	— °F 60 °C UP Method: ○ Open Cup Closed Cup
Decomposition Temp.	Not determined	Explosion Limits	Not determined
Self-ignition Temp.	Not determined	Vapor Density(air=1)	Not determined
Density Value	0.82 (g/cm ³ ,15°C)	Solubility	Negligible
Octanol-water Partition Coefficients (log kow)	Not determined	Evaporation Rate(BuAc=1)	Not determined

SECTION 10 STABILITY AND REACTIVITY

Stability	Stable under ordinary conditions of use and storage.
Potential Hazards in Special Conditions	Keep away from heat, sparks and flames to avoid exploding
Conditions to Avoid	Heat and flames
Matter to Avoid	Water, strong acid, strong base, strong oxidant etc.
Hazardous Decomposition Products	Not determined

SECTION 11 – TOXICOLOGICAL INFORMATION

Exposure Pathway	Inhalation, Ingestion, Eye/Skin
Symptom	—
Acute Toxicity	Inhalation: May cause nose or pharynx irritation, like headache or vomiting Skin: May causes mild skin irritation, like inflammation of skin Eye: May causes eye irritation Ingestion: May be harmful if swallowed and enters airways LD50 : — mg/Kg (rats, oral) LC50 : — mg/m ³ /4H(rats, inhale)
Chronic/Long Term Toxicity	Chronic

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Hazards	LC50 (for fish)	—
	EC50 (Crustacea)	—
	BCF (Bioconcentration Factors)	—
Permanence /Degradability	—	
Bio-accumulative	—	
Fluidity in Soil	—	
Other Harmful Effects	It is possible to pollute our environment, do not discharge into the drain, surface water, ground water and damming.	

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Considerations	Collect Waste in the exclusive container(s), dispose or burn it in accordance with all applicable regulations.
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SECTION 14 – TRANSPORT INFORMATION

UN NO.	—
Proper Shipping Name	—
Hazard Class/Division	Class 3 - Flammable liquids
Packing Group	III
Marine Pollutant (Y/N)	—
Information Reported for Product	Safety first and handle with care. Avoid break and escaping.

SECTION 15 – REGULATORY INFORMATION

Practicable Laws	Occupational Health and Safety Act; Waste Disposal Act; Water Pollution Control Act; Air Pollution Control Act; Prevention of specific chemistry material hazard; Regulations of Hazard Communication on Dangerous and Harmful Materials; Regulations of organic solvents poisoning prevention
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SECTION 16 – OTHER INFORMATION

Reference	Examples of Material Safety Data Sheet			
Tabulation Unit	Name	YUEH TEH LUBRICATING OIL CO., LTD		
	Add.	ADDRESS (Number, Street, City, Country) NO.136,FU-DER 1 ST ROAD, KAOHSIUNG TAIWAN, R.O.C		
	Tel.	(07)721-1890		
Lister	Professional title	Technical Research Dep.	Name(sign)	Technical Research Dep.
Date	JANUARY 5, 2016			