

# MATERIAL SAFETY DATA SHEET

URYU SEISAKU,LTD. 2-11,1-CHOME,FUKAE-MINAMI,HIGASHINARI-KU,OSAKA,JAPAN

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## 1. IDENTIFICATION

PRODUCT NAME:	PULSTAR	PART CODE	# 908-070-0
PRODUCT GROUP:	Industrial Lube Oil	CHEMICAL NAME:	Petroleum Lubricating Oil

## 2. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CONCENTRATION	CAS. No.
Lubricating Oil Base Stock:	190 %	57675-44-2
Proprietary Additives:	*10 %	Mixture (25322-68-3 90%) (12774-81-1 10%)

## 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor:	Dark gray liquid, Mild petroleum odor		
Boiling Point:	Not applicable.	Specific Gravity:	0.9257 (20°C)
Vapor Pressure:	Not applicable.	Pour point:	-15°C
Melting Point:	Not determined.	Vapor Density:	Not applicable.
Evaporation Rate:	Not applicable.	Viscosity:	43.66 cSt (40°C)
Solubility in water:	Negligible.		

## 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	245°C (C.O.C)
Flammable Limits:	(LEL) Not applicable. (UEL) Not applicable.
Extinguishing Media:	Water, foam, dry chemical, CO <sub>2</sub>
Special Fire Fighting Procedures:	No special procedures.
Unusual Fire And Explosion Hazards:	None.

## 5. REACTIVITY DATA

Stability:	Stable.
Incompatibility (Materials to Avoid):	Strong oxidizing agents, Bases.
Hazardous Decomposition or Byproducts:	CO on incomplete combustion.
Hazardous Polymerization:	Will not occur.

## 6. HEALTH HAZARD DATA

Route (s) of Entry:	Eye contact, ingestion.
Health Hazards (Acute and Chronic):	
Acute oral toxicity:	Not determined.
Skin irritation:	Essentially nonirritating to skin.
Carcinogenic property:	Not listed on NTP, IARC, OSHA
Signs and Symptoms of Exposure:	None normally encountered.
Medical Conditions Generally Aggravated by Exposure:	Unknown.
Emergency and First Aid Procedures:	
Skin:	Wash with soap and water.
Eye:	Flush eyes with plenty of water.

## 7. Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:	
Remove (large quantities) with vacuum truck.	
Remove (small quantities) with inert absorbent.	
Waste Disposal Method:	Controlled burning.
Precautions to Be Taken in Handling and Storing:	
Wash thoroughly after handling.	
Keep container closed.	
Store in a cool and dry place and protect from direct sunlight.	
Other Precautions:	None.

## 8. Control Measures

Respiratory Protection (Specify Type):	Not normally required.
Ventilation:	
Local Exhaust:	Not normally required.
Mechanical (General):	Desirable.
Protective Gloves:	Rubber.
Eye Protection:	Goggles.
Other Protective Clothing or Equipment:	Eye bath and safety shower. (Desirable)
Work / Hygienic Practices:	Wash thoroughly after handling.

## 9. Preparation of MSDS

Prepared by:	Phone Number: 06-6973-9444
Engineering Dept.:	Fax Number: 06-6973-5759