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Section 1: Chemical Product and Company Identification

Product Name : SN600
Synonyms : Base Oil
Use : Base oil for Lubricants.

Company Identification : 4 Silicon Road,
Mariann Industrial Park,
Pinetown,
4147

Health Emergency
Telephone : 10111
Contact Info : info@jagpetroleum.co.za
JAG Website : www.jagpetroleum.com

Section 2: Composition and Information on Ingredients

COMPONENTS	CAS - No	Amount (Vol %)
DISTILLATES (PETROLEUM) SOLVENT DEWAXED HEAVY PARAFFINIC	64742-65-0	45 – 90
RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED	64742-62-7	0 – 55
RESIDUAL OILS (PETROLEUM) SOLVENT REFINED	64742-01-4	0 – 55

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)

Section 3: Hazards Identification

EMERGENCY OVERVIEW

Poses little or no immediate hazard.

Hazards Ratings:

Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>PPI</u>
NFPA	0	1	0	
HMIS	0	1	0	X

POTENTIAL HEALTH EFFECTS

PRE-EXISTING MEDICAL CONDITIONS

The following diseases or disorders may be aggravated by exposure to this product:
Available data does not identify any conditions.

INHALATION

No acute effects expected.

LC50 (mg/l): no data

LC50 (mg/m³): no data

LC50 (ppm): no data

SKIN

Practically non-toxic if absorbed through the skin. Substance may cause slight skin irritation.
Contact with heated product may cause thermal burns.
Draize Skin Score: no data.
LD50 (mg/kg): no data.

EYES

Non-irritating to the eyes.

INGESTION

Practically non-toxic if ingested.
LD50 (g/kg): no data

Section 4: First Aid Measures

INHALATION

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get medical attention if cough or other symptoms develop.

SKIN

Wash with soap and water. Get medical attention if irritation develops or persists. Wash clothing before reuse. For contact with heated product, flush immediately with plenty of cool water for at least 20 minutes.

EYES

Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. If eye irritation persists, obtain medical treatment. For contact with heated product, flush immediately with plenty of cool water for at least 20 minutes. Get medical attention.

INGESTION

Material is practically non-toxic. Induction of vomiting is not required. Get medical attention immediately.

Section 5: Fire-Fighting Measures

EXTINGUISHING MEDIA

Water spray; Regular foam; Dry chemical; Carbon dioxide;

FIRE FIGHTING INSTRUCTIONS

Wear structural firefighting gear. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

FLAMMABLE PROPERTIES

	Typical*	Minimum	Maximum	Text Result	Units	Method
Flash Point	See TDS	226 (See TDS)			°C	D92
Autoignition Temperature				No Data	°F	D2155
Lower Explosion Limit				No Data	%	N/A
Upper Explosion Limit				No Data	%	N/A

* Refer to TDS (Technical Data Sheet) for specific typical data for each product.

Section 6: Accidental Release Measures

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

Section 7: Handling and Storage

HANDLING

Wash thoroughly after handling.

STORAGE

NFPA class IIIB storage. Flash point is greater than 200 F.

Section 8: Exposure Controls/Personal Protection

Consult with a Health and Safety Professional for specific selections.

ENGINEERING CONTROLS

Ventilation is normally not required when handling or using this product to keep exposure to airborne contaminants below the exposure limit.

PERSONAL PROTECTION

EYE PROTECTION

Safety glasses with side shields or splash proof chemical goggles are recommended to protect against the splash of product.

GLOVES or HAND PROTECTION

Protective gloves are recommended when prolonged skin contact cannot be avoided. The gloves listed may provide protection against permeation: neoprene, nitrile, Viton. Gloves of other chemically resistant materials may not provide adequate protection.

RESPIRATORY PROTECTION

Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Respiratory protection is not usually needed unless product is heated or misted. Half-mask air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with dust / mist filters or HEPA filter cartridges is acceptable for exposures to fifty (50) times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full face supplied air respirator with escape bottle or SCBA.

OTHER

Where splashing is possible, fully chemical resistant protective clothing (e.g. acid suit) and boots are recommended for prolonged exposure. Wear insulated impervious protective gear to protect against the splash.

of product. The following materials are acceptable for use as protective clothing: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane. Remove contaminated clothing and wash before reuse.

Section 9: Physical and Chemical Properties

Appearance : Clear coloured fluid.
 Boiling Range : 600 – 1325 °F
 Bulk Density : 7.3 lb/gal
 Pour Point : -12 °C
 Molecular Weight : 545+ g/mole
 Octanol/Water Coefficient : No data available.
 pH : No data available.
 Specific Gravity : 0.88
 Solubility in water : Nil.
 Odour : Slight.
 Odour Threshold : No data available.
 Vapour threshold : < 0.0001 mmHg @ 100 °F
 Viscosity (C) : See TDS
 % Volatile : Nil

Section 10: Stability and Reactivity Data

STABILITY : Stable
 CONDITIONS TO AVOID : None identified.
 INCOMPATIBILITY : Strong oxidizers.
 HAZARDOUS DECOMPOSITION : Combustion may produce carbon monoxide, carbon dioxide and
 PRODUCTS and other asphyxiants.
 HAZARDOUS POLYMERIZATION: Will not polymerize.

Section 11: Toxicological Information

No data available.

Section 12: Ecological Information

No data available.

Section 13: Disposable Considerations

Follow federal, state and local regulations. This material is not a RCRA hazardous waste, if not contaminated. If material has been “used”, RCRA criteria (ignitability, reactivity, corrosivity and toxicity) must be determined. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

Section 14: Transport Information

Governing Body	Mode	Proper Shipping Name
DOT	Ground	Petroleum Lubricating Oil

Governing Body	Mode	Hazard Class	UN/NA No.	Label
DOT	Ground	N/A	N/A	Not Regulated

Section 15: Other Regulatory Information

Regulatory List	Component	CAS No.
Inventory - Australia (AICS)	All components listed	
Inventory - Canada - Domestic Substances List	All components listed	
Inventory - China	All components listed	
Inventory - European EINECS Inventory	All components listed	
Inventory - Japan - (ENCS)	All components listed	
Inventory - Korea - Existing and Evaluated	All components listed	
Inventory - Philippines Inventory (PICCS)	All components listed	
Inventory - TSCA - Sect. 8(b) Inventory	All components listed	

This product contains residual amounts of toluene, a chemical known to the state of California to cause birth defects or other reproductive harm.

Title III Classifications Sections 311, 312:

- Acute: NO
- Chronic: NO
- Fire: NO
- Reactivity: NO
- Sudden Release of Pressure: NO

Section 16: Other Information

Limits for the product- 5mg/m³, Oil Mist Limit, (OSHA PEL/ACGIH TLV)
WHMIS Classification: not controlled.