



SECTION I- Chemical Product and Company Identification

Product Identifier: **GEN 49D with Anti-Gel**

Manufacturer: WYS Manufacturing Ltd.
Bay 7 & 8, 4216 – 54th Ave. SE
Calgary, Alberta T2C 2E3
Canada

Supplier: Maryn International Ltd.
Bay 5, 4216 – 54th Ave. SE
Calgary, Alberta T2C 2E3
Canada

Product use: Diesel fuel lubrication supplement.

Emergency Phone Number:

CANUTEC – 24 hr Emergency No. 1-613-996-6666

Business Hour Number 1-403-252-2239
(Monday through Friday 8:00am to 4:30pm MST)

SECTION II Composition/ Information on Ingredients

Hazardous Ingredients	Concentration %	C.A.S. #	Exposure limit	LD ₅₀ (Species/Route)	LC ₅₀ (Species/Route)
Heavy Aromatic Naphtha	15 to 40	64742-94-5	TWA:100ppm	>5g/kg rat oral >2g/kg rabbit skin	NA
Naphthalene	1 to 5	91-20-3	TWA:10ppm	NA	NA
Trimethylbenzene	<2%	25551-13-7	TWA:25ppm	NA	NA

SECTION III Hazards Identification

Emergency Overview

Combustible liquid.

Potential Health Effects

Route of entry

Skin contact, skin adsorption, eye contact, inhalation and ingestion

Effects of acute exposure

Breathing mist caused by high temperature or swallowing large quantities may be irritating to skin, respiratory system, mucous membranes and eyes.

Effects of chronic exposure



Repeated exposure over prolonged periods of time may cause irritation to the skin, respiratory system and eyes. Follow good industrial hygiene practices to avoid exposure.

This product contains max. 0.036% vinyl acetate. The American Conference of Industrial Hygienist rated it A3 animal carcinogen. Available data does not suggest that the compound is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

SECTION IV First Aid Measures

Ingestion

Induce vomiting. Seek medical attention immediately.

Skin

Wash skin with soap and water. Launder clothes prior to re-use.

Inhalation

If excessive fumes, remove victim to fresh air. If no relief is obtained, obtain medical attention.

Eye Contact

Flush with clean tepid water for at least 15 minutes keeping eyelids open. If irritation persists, obtain medical attention immediately.

Notes to Physician

Not available.

SECTION V Fire-Fighting Measures

Flammability

Combustible liquid: Can form combustible mixtures at temperatures at or above the flash point.

Means of Extinction

Carbon dioxide foam, dry chemicals.

Keep containers cool with water spray. When fighting fire, wear full protective clothing, including NIOSH approved self-contained breathing apparatus. Avoid spreading with water flooding.

Flash Point (ASTM D92)

90°C (194°F)

Upper Flammability Limits

Not Determined.

Lower Flammability Limits

Not Determined.

Auto Ignition Temperature

Approximately 250°C

Hazardous Combustion Products

Oxides of carbon and dense smoke



Explosion Hazards	None
Sensitivity to Static Discharge	None at normal temperatures below flash point. Do not cut, weld, or pressurize empty container. Container may explode in heat of fire.

SECTION VI Accidental Release Measures

Personal Protection	Wear suitable protective equipment. Eliminate sources and or potential sources of ignition.
Environmental Precautions	Product has very low solubility in water. Do not flush to sewers, streams or other bodies of water. For disposal, see Section XIII.
Methods for cleaning up	Absorb on inert material such as sand, earth, vermiculite. Sweep up and collect in a suitable container for disposal. Observe government regulations.
Large spills	Stop leak if without risk. Dike to contain spill. Pump excess material into suitable container (metal drums, metal tanks, or such).

SECTION VII Handling and Storage

Handling	Avoid excess heat, formation of oil mist, breathing vapours and mist from hot oil, and prolonged or repeated contact with skin.
Storage	Store at ambient temperature. Keep container tightly closed.

SECTION VIII Exposure Controls / Personal Protection

Engineering Controls	For normal application, special ventilation is not necessary. If user's operation generates mist, use ventilation to keep exposure to airborne contaminants below exposure limits. Make up air should always be supplied to balance air removed by exhaust ventilation.
Respiratory Protection	Use approved respirator with dual organic vapor / mist and particulate cartridge if vapor concentration exceeds permissible exposure limit. Use Self-Contained Breathing Apparatus in high vapour concentrations.
Eye Protection	Use chemical splash goggles if risk of splashing present.
Skin Protection	Use rubber or plastic apron.
Hand Protection	Use oil resistant gloves.



SECTION IX Physical and Chemical Properties

Physical State:	Liquid
Odour:	Solvent odour
Appearance:	Dark amber
Odour Threshold:	Not established
Specific Gravity:	0.917 (@15.6°C / 60°F)
Vapour Pressure:	Not available
Vapor Density:	Not available
Evaporation Rate:	Not available
Boiling Point:	Not available
Pour Point:	-18°C(0°F)
Solubility in Water:	Insoluble
pH:	Not determined
Partitioning Coefficient:	>1.0

SECTION X Stability and Reactivity

Chemical Stability:	Material is normally stable at moderately elevated temperatures and pressures.
Incompatibility:	Avoid contact with oxidizing agents, reducing agents, direct heat and ignition source.
Reactivity:	No reactivity
Polymerization:	Will not occur
Decomposition Products:	Oxides of carbon, smoke, aldehydes and other products of incomplete combustion..

SECTION XI Toxicological Information

Irritancy / Route of Entry:

Skin Contact	Frequent or prolonged contact may irritate the skin and cause a skin rash.
Skin Absorption	This product is not likely to be absorbed in toxic amounts.



Eye Contact	Severe eye irritant.
Inhalation	If the product is misted, high concentration of vapour and/or mist may cause irritation, experienced as nasal discomfort, headaches and nausea.
Ingestion	May cause nausea, abdominal discomfort, vomiting and diarrhea. Ingestion of large amounts may cause smarting and burning sensations of the mouth, throat and digestive tract. Aspiration into lungs may occur during ingestion or vomiting resulting in lung injury.
Sensitization:	Repeated or prolonged contact may cause sensitization in some individuals.
Carcinogenicity:	This product contains material that has not been listed as a carcinogen or potential carcinogen by either the National Toxicology Program, International Agency for Research on Cancer, or the Occupational Safety and Health Administration.
Reproductive Toxicity:	No information is available and no adverse effects are anticipated.
Teratogenicity:	No information is available and no adverse effects are anticipated.
Mutagenicity:	No information is available and no adverse effects are anticipated.

SECTION XII Ecological information

Environmental Fate:	No specific environmental fate data is available. This product is not expected to be readily biodegradable.
Environmental Effects:	No specific toxicity or environmental effect data is available.

SECTION XIII Disposal Consideration

RCRA 40 CFR 261 Classification

See Section XV

US EPA Waste Number / Classification

See section XV under RCRA.

Waste Disposal

Dispose of waste material in compliance with all federal, state, provincial and local regulations. Incinerate in a furnace or bury in an approved landfill where permitted under appropriate federal, provincial and local regulations.



SECTION XIV Transport Information

US DOT Non-bulk:	Not regulated
TDG – Canada: Non-bulk:	Not regulated
DOT/TDG Proper Shipping Name:	None
DOT/TDG Hazard Class:	None
UN Number:	None
Packing Group:	None
DOT/TDG Labels:	Primary: None required Subsidiary: None required
DOT/TDG Placards:	None required

SECTION XV Regulatory Information

CPR Compliance: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

OSHA Hazard Communication Standards 29CFR 1910.1200: This product is assessed in accordance with OSHA 29CFR 1910.1200 and determined to be toxic and flammable.

WHMIS Classification: Class B3 Combustible Liquid, Class D2B material with other toxic effects.

CERCLA: This product contains the following hazardous components reportable under CERCLA: Naphthalene CAS no. 91-20-3, Reportable Quantity: 2180 liters; Benzene CAS no. 71-43-2, Reportable Quantity: 310,000 liters.

SARA Extremely Hazardous Substance: This product does not contain more than 1 % of any chemical substance on the SARA Extremely Hazardous Substances List.

SARA Title III Section 313: 2.26% Naphthalene CAS no. 91-20-3, 0.036% Vinyl Acetate CAS no. 108-05-4

RCRA: The following components are listed under RCRA with the EPA waste number in bold: Naphthalene CAS no.91-20-3 **U165**, Benzene CAS no. 71-43-2 **U019**.

NPRI: 2.26% Naphthalene CAS no. 91-20-3, 0.036% Vinyl Acetate CAS no. 108-05-4, 17 PPM Benzene.



Chemical Inventory

Canada: The ingredients of this product are on the DSL.

United States: The ingredients of this product are on the TSCA

SECTION XVI Other Information

HMIS Information

Degree of Hazard	HMIS Rating
4= Severe	Health 1
3= Serious	
2= Moderate	Flammability 1
1= Slight	
0= Minimal	Reactivity 0

Revision Information

Prepared by: Maryn Research
Phone: 1-403-252-2239

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Revision: 1

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