

SECTION 1: Identification of the Substance / Mixture and of the Company / Undertaking
1.1. Product Identifier

Product name : EXXSOL™ D40 FLUID
 Synonyms : No data available

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended use : SOLVENT
 Restricted Uses : No data available

1.3. Details of the Distributor of the Safety Data Sheet

Company Name : GreenSol Limited
 Address : #39-41 Marryat Street, San Fernando, Trinidad, West Indies
 Telephone : +1(868) 225-4858
 Mobile : +1(868) 720-2517
 Email : sdeokiesingh@greensolltd.com

1.4. Emergency Telephone Number

Emergency Number : +1(868) 720-2517 (GREENSOL)
 : +1(800) 424-9300 (CHEMTREC)

SECTION 2: Hazard Identification
2.1. Hazardous Classification of the substance or mixture

Flammable liquids : Category 3
 Specific target organ toxicity : Category 3 (Central nervous system)
 - single exposure
 Aspiration hazard : Category 1

2.2. Label elements

Hazard pictograms :



GHS02



GHS08



GHS07

Signal word : **DANGER**
 Hazard statements : H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H336 May cause drowsiness or dizziness.
 Precautionary statements : **Prevention:**



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

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

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

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

None known.

SECTION 3: Composition / Information on Ingredients

Substance / Mixture : Mixture

3.1. Hazardous components

CAS-No.	Chemical name	% by Weight	Synonyms
---------	---------------	-------------	----------



64742-47-8

Distillates (petroleum),
hydrotreated light

80 - 100

Distillates (petroleum),
hydrotreated light
nonane

111-84-2

Nonane

1 - 5

Actual concentration or concentration range is withheld as a trade secret

SECTION 4: First Aid Measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Symptoms of poisoning may appear several hours later.
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

SECTION 5: Firefighting measures

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
Water mist
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : Do not allow run-off from firefighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides
A complex mixture of airborne solid and liquid particulates and gases (smoke).
toxic fumes
Unidentified organic and inorganic compounds.
Hydrogen sulfide
sulfur oxides

Further information	Irritating fumes or substances may form. Sulphuric acid
	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Contain spillage, and then collect with non-combustible absorbent material, (e.g., sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7: Handling & Storage

Advice on protection against fire and explosion	: Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	: Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms.

Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : No smoking.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure Controls / Personal Protection

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64742-47-8	Distillates (petroleum), hydrotreated light	TWA	200 mg/m3 (total hydrocarbon vapor)	CA BC OEL
		TWA	200 mg/m3 (total hydrocarbon vapor)	CA AB OEL
		TWA (Mist)	5 mg/m3	CA AB OEL
		STEL (Mist)	10 mg/m3	CA AB OEL
		TWAEV	200 mg/m3	CA QC OEL
111-84-2	Nonane	TWA	525 mg/m3	CA ON OEL
		TWA	200 ppm	CA AB OEL
			1,050 mg/m3	
		TWAEV	200 ppm	CA QC OEL
			1,050 mg/m3	
		TWA	200 ppm	CA BC OEL
		TWA	200 ppm	CA BC OEL

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an ap-proved filter.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9: Physical and Chemical Properties

Appearance	: liquid
Colour	: Clear, colorless
Odour	: Slight
Odour Threshold	: No data available
pH	: No data available
Freezing Point (Pour point)	: -67 °C (-89 °F)
Boiling Point (Boiling point/boiling range)	: 159 - 201 °C (318 - 394 °F)
Flash point	: 40 °C (104 °F) Method: closed cup
Evaporation rate	: 0.2 (Butyl Acetate = 1)
Flammability (solid, gas)	: No data available
Upper explosion limit	: 6.0 %(V)
Lower explosion limit	: 0.7 %(V)
Vapour pressure	: 0.2 kPa @ 20 °C (68 °F)
Relative vapour density	: 4.9
Relative density	: 0.78 @ 15 °C (59 °F) Reference substance: (water = 1)
Density	: 6.59 lb/gal
Solubility(ies)	
Water solubility	: negligible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: > 4
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: 1.1 mm ² /s @ 40 °C (104 °F) 1.4 mm ² /s @ 20 °C (68 °F)

SECTION 10: Stability and Reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents

SECTION 11: Toxicological Information

Acute toxicity**Product:**

Acute dermal toxicity : Acute toxicity estimate: 2,526 mg/kg

Components:**64742-47-8:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Skin corrosion/irritation**Components:****111-84-2:**

Species: Rabbit

Result: Irritating to skin.

Test substance: Information given is based on data obtained from similar substances.

ACGIH : Confirmed animal carcinogen with unknown relevance to humans.
64742-47-8 Distillates (petroleum), hydrotreated light

STOT - single exposure**Components:****111-84-2:**

Target Organs: Central nervous system

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

Aspiration toxicity**Components:****64742-47-8:**

May be fatal if swallowed and enters airways.

111-84-2:

May be fatal if swallowed and enters airways.

Further information**Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

SECTION 12: Ecological Information

Ecotoxicity**Product:**

Acute aquatic toxicity- Assessment : This product has no known ecotoxicological effects.

Chronic aquatic toxicity- Assessment : This product has no known ecotoxicological effects.

Components:**111-84-2:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.2 mg/l
Exposure time: 48 h
Test Type: static test

M-Factor (Acute aquatic toxicity) : 1

Chronic aquatic toxicity- Assessment : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal Considerations**Disposal methods**

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transportation Information**TDG (Transportation of Dangerous Goods):**

UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

IATA (International Air Transport Association):

UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

IMDG (International Maritime Dangerous Goods):

UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, Flash Point:40 °C(104 °F)

SECTION 15: Regulatory Information

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

The components of this product are reported in the following inventories:

TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL
AIIC	: On the inventory, or in compliance with the inventory
NZIoC	: not determined
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

SECTION 16: Other Information

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australia Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration



EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Com-plex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

Notice to Reader:

This SDS provides the information contained in this document in good faith but makes no representation as to its accuracy. This document is intended solely to guide the safe handling of the material by a properly trained individual. The final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with caution. Although some hazards are described, it cannot be guaranteed that these are the only hazards that exist.

Version
1.3**Date of Change**
04-09-2025**Change Description**
Updated to supplier SDS Rev. 1.3**Responsible Person**
Laboratory Coordinator