



MATERIAL SAFETY DATA SHEET

Health & Safety Information

Torco S-4SR Snowmobile 4-Cycle Oil SAE 0W30

Product Part Number: S650030
MSDS Date: 05/10/2013

Section 1: Identification of the preparation and company

Preparation/Product Name	Torco S-4SR Snowmobile 4-Cycle Oil SAE 0W30
Product Code	S650030
Company Name	TORCO INTERNATIONAL CORP. 9145 MILLIKEN AVENUE RANCHO CUCAMONGA, CA 91730
Telephone No.	(909) 980-1495
24 hour Emergency Telephone No.	(800) 424-9300
General MSDS	(909) 980-1495

Section 2: Hazards Identification of the product

Warning

GHS Classification

Item	Category	Hazard
Flammability	Not classified	Not applicable
Acute Toxicity (mouth)	Not classified	Not applicable
Acute Toxicity (skin)	5	May be harmful in contact with skin
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable
Sensitization (respiratory)	Not classified	Not applicable
Sensitization (skin)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	No target organs for this category.
	2	No target organs for this category.
	3	No target organs for this category.
Specific target organ systemic toxicity (repeated exposure)	1	No target organs for this category.
	2	No target organs for this category.
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic environment (acute)	Not classified	Not applicable
Harmfulness to aquatic environment (long term effect)	Not classified	Not applicable
Carcinogenicity	Not classified	Not applicable
Reproductive toxicity	Not classified	Not applicable
Organic peroxide	Not classified	Not applicable

Safety Phrases: Not Applicable

Section 3: Composition / Information Identity of Ingredients

Mixture: Yes

Ingredient	CAS Number	Concentration
1-Decene, homopolymer, hydrogenated	068037-01-4	<10
1-Decene, trimer, hydrogenated	068649-12-7	<60
Hydrocarbon Polymer	Proprietary or N/A	<10
Organomolybdenum Complex	Proprietary or N/A	<3
Zinc alkyldithiophosphate	Proprietary or N/A	<1

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z)

Section 4: First Aid Measures

Inhalation	Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.
Eye Contact	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact	Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

Section 5: Fire Fighting Measures

Flash Point °C >200

Slightly Combustible. May release flammable vapors when heated above flash point.

Extinguishing Media Carbon Dioxide, dry chemical, or foam. Avoid using water.

Combustion Products Carbon monoxide and asphyxiants.

Special Fire Procedures Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

Section 6: Accidental Release Measures

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

Section 7: Handling & Storage

Handling Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not

cut, weld, braze, solder or expose containers to other ignition sources.

Storage Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

Section 8: Exposure Controls & Personal Protection

Exposure Limits	The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m ³ for oil mists.
Ventilation	Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
Gloves	Nitrile or neoprene gloves are recommended.
Eye Protection	Safety glasses, goggles, or face shield are recommended.
Respiratory Protection	Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.
Clothing	Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

Section 9: Physical & Chemical Properties

Appearance	AMBER OILY LIQUID	Odor	Petroleum Odor
Flash Point °C	>200	Boiling Point °C	>300
VOC %	NIL	pH	n/d
Specific Gravity	0.855	Solubility in Water	negligible
Vapor Pressure	<0.01 mmHg@20 °C	Vapor Density	Heavier than air
Evaporation Point	less than ether		
Flammability	Not applicable		

Data supplied is for use only in connection with occupational safety and health. Specifications subject to change without notice.

Section 10: Stability & Reactivity

Stability	Material is normally stable at ambient temperature and pressure.
Conditions to Avoid	Oxidizing agents. Do not heat above the flash point.
Polymerization	Will not occur.
Decomposition	Carbon dioxide, carbon monoxide.

Section 11: Toxicological Information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
1-Decene, homopolymer, hydrogenated	5,000, rat - Category: 5	> 2,000, rabbit - Category: 5	-----
1-Decene, trimer, hydrogenated	3,500, rat - Category: 1	5,000.00, rat - Category: 5	-----
Hydrocarbon Polymer	> 5,000, rat - Category: NA	> 2,000, rabbit - Category: 5	-----
Organomolybdenum Complex	> 2,000, rat - Category: 5	> 2,000, rabbit - Category: 5	> 5, rat -Category: 3

Zinc alkyldithiophosphate	2,000, rat - Category: 4	> 2,000, rabbit - Category: 5	> 5, rat -Category: 3
---------------------------	-----------------------------	----------------------------------	--------------------------

Oral Toxicity	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Eye Irritation	Not expected to cause eye irritation.
Skin Irritation	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.
Carcinogenicity	This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

Section 12: Ecological Information

This material is expected to have adverse affects on marine and plant life. Spills may contaminate drinking water.

Section 13: Disposal Consideration

Consult federal, state, and local regulations regarding disposal methods, Recycle used oil. Do not contaminate used oil with solvents or other chemicals.

Section 14: Transportation Information

See 49 CFR part 171.8 through 178.510

Proper Shipping Name	Oil, n.o.s
DOT Hazard Class	Not regulated
UN No	Not applicable
Guide Number	128
IMDG	This product is not regulated by the International Maritime Organization (IMO) or the International Maritime Dangerous Goods Code (IMDG).

Section 15: Regulatory Information

TSCA:	All components of this product are listed on the United States TSCA (Toxic Control Substance Act) Inventory.
RCRA:	Not regulated
SARA 311/312 (>0.1%):	Not applicable
SARA 313 (>0.1%):	
Zinc Alkyldithiophosphate	
CERCLA (>0.1%):	Not applicable
Inventory - Canada - Non-Domestic Substances List (NDSL):	Not applicable
California Proposition 65 Cancer (>0.00%):	
Cadmium (<0.01 %)	
Lead (<0.01 %)	
California Proposition 65 Developmental (>0.00%):	

Cadmium (<0.01 %)

Lead (<0.01 %)

California Proposition 65 Female Reproductive (>0.00%):

Lead (<0.01 %)

California Proposition 65 Male Reproductive (>0.00%):

Cadmium (<0.01 %)

Lead (<0.01 %)

Inventory - Australia - Inventory of Chemical Substances (AICS):

1-Decene, homopolymer, hydrogenated

1-Decene, trimer, hydrogenated

Amines, N-tallow alkyltrimethylenedi-

Di(2-ethylhexyl)phosphoric acid

Hydrocarbon Polymer

Petroleum distillates, hydrotreated heavy naphthenic

Petroleum distillates, hydrotreated light naphthenic

Zinc Alkyldithiophosphate

Inventory - Japan Existing and New Chemical Substances (ENCS):

1-Decene, homopolymer, hydrogenated ()

Di(2-ethylhexyl)phosphoric acid (2-1986)

Petroleum distillates, hydrotreated heavy naphthenic ()

Petroleum distillates, hydrotreated light naphthenic ()

Korean Existing Chemicals

Inventory:

1-Decene, homopolymer, hydrogenated

Di(2-ethylhexyl)phosphoric acid

Petroleum distillates, hydrotreated heavy naphthenic

Petroleum distillates, hydrotreated light naphthenic

Inventory of Existing Chemical Substances in China:

1-Decene, homopolymer, hydrogenated

Hydrocarbon Polymer

Petroleum distillates, hydrotreated light naphthenic

Zinc Alkyldithiophosphate

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

1-Decene, homopolymer, hydrogenated

1-Decene, trimer, hydrogenated

Amines, N-tallow alkyltrimethylenedi-

Di(2-ethylhexyl)phosphoric acid

Hydrocarbon Polymer

Petroleum distillates, hydrotreated heavy naphthenic
 Petroleum distillates, hydrotreated light naphthenic
 Zinc Alkyldithiophosphate

Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act : Not applicable

EU REACH: Annex XVII, Dangerous Substances and Preparations:

Petroleum distillates, hydrotreated heavy naphthenic
 Petroleum distillates, hydrotreated light naphthenic

Inventory - European Union - European Inventory of Existing Commercial Chemical Substances (EINECS):

1-Decene, homopolymer, hydrogenated ()
 1-Decene, trimer, hydrogenated ()
 Amines, N-tallow alkyltrimethylenedi- (263-189-0)
 Di(2-ethylhexyl)phosphoric acid (206-056-4)
 Hydrocarbon Polymer ()
 Petroleum distillates, hydrotreated heavy naphthenic (265-155-0)
 Petroleum distillates, hydrotreated light naphthenic (265-156-6)
 Petroleum product additive ()
 Zinc Alkyldithiophosphate ()

EU List of Notified Chemical Substances (ELINCS): Not applicable

Risk Phrases: Not Applicable

Section 16: Other Information

HMIS	Health:	1	NFPA	Health:	1
	Fire:	1		Fire:	1
	Physical Hazards:	0		Reactivity:	0
	PPE:	C		Special Hazards:	---

This information was derived from current data and the works and opinions of persons believed to be qualified experts. To the best of our knowledge, it is believed to be accurate to the best of Torco International Corporation knowledge and reliable as of the date compiled. However, no guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We expressly disclaim all warranties of every kind and nature, including warranties of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof.

Data supplied is for use only in connection with occupational safety and health.

End of Material Safety Data Sheet