



MATERIAL SAFETY DATA SHEET

Health & Safety Information

Torco T-4SR 4-Stroke Racing Oil SAE 20W50

Product Part Number: T652055

MSDS Date: 05/10/2013

Section 1: Identification of the preparation and company

Preparation/Product Name

Product Code

Company Name

Torco T-4SR 4-Stroke Racing Oil SAE 20W50

T652055

TORCO INTERNATIONAL CORP.

9145 MILLIKEN AVENUE

RANCHO CUCAMONGA, CA 91730

Telephone No.

24 hour Emergency Telephone No.

General MSDS

(909) 980-1495

(800) 424-9300

(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	<40
Hexanedioic acid, diisononyl ester	033703-08-1	<20
Petroleum distillates, hydrotreated heavy paraffinic	064742-54-7	<30
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	068649-42-3	<1
Polybutene	009003-29-6	<10
Zinc alkyl dithiophosphate	Proprietary or N/A	<3

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
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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	N/D
VOC %	NIL	pH	n/d
Specific Gravity	0.858	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	-----
Hexanedioic acid, diisononyl ester	-----	-----	-----
Petroleum distillates, hydrotreated heavy paraffinic	> 5,000, Rat - Category: NA	> 5,000, rabbit - Category: NA	-----
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	2,000.00, rat - Category: 4	2,000.00, rat - Category: 4	5.00, rat - Category: 3

Polybutene	34,600.00, rat - Category: NA	10,250.00, rat - Category: NA	-----
Zinc alkyl dithiophosphate	-----	-----	-----

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%):	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
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

Hexanedioic acid, diisononyl ester

Petroleum distillates, hydrotreated heavy paraffinic

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

Polybutene

Zinc Alkyldithiophosphate

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

1-Decene, homopolymer, hydrogenated ()

Hexanedioic acid, diisononyl ester (2-861)

Petroleum distillates, hydrotreated heavy paraffinic ()

Polybutene (6-774)

**Korean Existing Chemicals
Inventory:**

1-Decene, homopolymer, hydrogenated

Hexanedioic acid, diisononyl ester

Petroleum distillates, hydrotreated heavy paraffinic

Polybutene

**Inventory of Existing Chemical
Substances in China:**

1-Decene, homopolymer, hydrogenated

Hexanedioic acid, diisononyl ester

Petroleum distillates, hydrotreated heavy paraffinic

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

Polybutene

Zinc Alkyldithiophosphate

**Philippines Inventory of
Chemicals and Chemical
Substances (PICCS):**

1-Decene, homopolymer, hydrogenated

Hexanedioic acid, diisononyl ester

Petroleum distillates, hydrotreated heavy paraffinic

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

Polybutene

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 paraffinic

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

1-Decene, homopolymer, hydrogenated ()

Hexanedioic acid, diisononyl ester (251-646-7)

Petroleum distillates, hydrotreated heavy paraffinic (265-157-1)

Petroleum product additive ()

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (272-028-3)

Polybutene ()

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:	---

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End of Material Safety Data Sheet