



MATERIAL SAFETY DATA SHEET

Health & Safety Information

Torco V-Series "ST" Motor Oil SAE 60

Product Part Number: T630060
MSDS Date: 05/10/2013

Section 1: Identification of the preparation and company

Preparation/Product Name	Torco V-Series "ST" Motor Oil SAE 60
Product Code	T630060
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

GHS Classification

Item	Category	Hazard
Flammability	Not classified	Not applicable
Acute Toxicity (mouth)	Not classified	Not applicable
Acute Toxicity (skin)	Not classified	Not applicable
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
Petroleum distillates	Proprietary or N/A	<10
Petroleum distillates, hydrotreated heavy paraffinic	064742-54-7	<60
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	068649-42-3	<3
Polybutene	009003-29-6	<10
Residual oils (petroleum), solvent refined	064742-01-4	<40

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 >190

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/m³ 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	>190	Boiling Point °C	>300
VOC %	NIL	pH	n/d
Specific Gravity	0.885	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
Petroleum distillates	-----	-----	-----
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, rat - Category: 4	2,000.00, rat - Category: 4	5.00, rat - Category: 3
Polybutene	34,600.00, rat - Category: NA	10,250.00, rabbit - Category: NA	-----
Residual oils (petroleum), solvent refined	-----	-----	-----

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 effects 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):**

Petroleum distillates, hydrotreated heavy paraffinic

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

Polybutene

Residual oils (petroleum), solvent refined

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

Petroleum distillates, hydrotreated heavy paraffinic ()

Polybutene (6-774)

Residual oils (petroleum), solvent refined ()

**Korean Existing Chemicals
Inventory:**

Petroleum distillates, hydrotreated heavy paraffinic

Polybutene

Residual oils (petroleum), solvent refined

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

Petroleum distillates, hydrotreated heavy paraffinic

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

Polybutene

Residual oils (petroleum), solvent refined

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

Petroleum distillates, hydrotreated heavy paraffinic

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

Polybutene

Residual oils (petroleum), solvent refined

**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

Residual oils (petroleum), solvent refined

**Inventory - European Union -
European Inventory of Existing**

Commercial Chemical Substances (EINECS):

- 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 ()
- Residual oils (petroleum), solvent refined (265-101-6)

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