

<b>ASHLAND</b>		Page: 1
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

29 CFR 1910.1200 (OSHA HazCom 2012)

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

Trade name : Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL

### Relevant identified uses of the substance or mixture and uses advised against

<b>Details of the supplier of the safety data sheet</b> Ashland P.O. Box 2219 Columbus, OH 43216 United States of America 614-790-3333  EHS Customer Requests@ashland.com	<b>Emergency telephone number</b> 1-800-ASHLAND (1-800-274-5263)  <b>Regulatory Information Number</b> 1-800-325-3751  <b>Product Information</b> 614-790-3333
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## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Flammable liquids : Category 4

Skin irritation : Category 2

### GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Combustible liquid.  
Causes skin irritation.

Precautionary Statements : **Prevention:**  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Wash skin thoroughly after handling.  
Wear protective gloves/ eye protection/ face protection.  
**Response:**  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/ attention.  
Take off contaminated clothing and wash before reuse.

<b>ASHLAND</b>		Page: 2
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

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

**Storage:**

Store in a well-ventilated place. Keep cool.

**Disposal:**

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

**Other hazards**

Static Accumulating liquid

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Static Accumulator

**Hazardous components**


Chemical name	CAS-No.	Classification	Concentration (%)
Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4	Not a hazardous substance or mixture.	30.00
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	Flam. Liq. 4; H227  Skin Irrit. 2; H315	25.00
RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED	64742-01-4	Not a hazardous substance or mixture.	20.00
Naphtha (petroleum), heavy aromatic	64742-94-5	Asp. Tox. 1; H304	1.50

### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If breathed in, move person into fresh air.  
If unconscious place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
If on skin, rinse well with water.

		Page: 3
SAFETY DATA SHEET		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

Wash contaminated clothing before re-use.  
If on clothes, remove clothes.

- |   |   |
|---|---|
| In case of eye contact                                      | : Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>If eye irritation persists, consult a specialist.  |
| If swallowed  | : Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.  |
| Most important symptoms and effects, both acute and delayed | : Causes skin irritation.<br>Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.<br>No symptoms known or expected. |
| Notes to physician  | : No hazards which require special first aid measures.  |

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## SECTION 5. FIREFIGHTING MEASURES

- |                                      |  |
|--------------------------------------|--|
| Suitable extinguishing media         | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Water spray<br>Foam<br>Carbon dioxide (CO2)<br>Dry chemical   |
| Unsuitable extinguishing media       | : High volume water jet  |
| Specific hazards during firefighting | : If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release.<br>Do not allow run-off from fire fighting to enter drains or water courses. |

<b>ASHLAND®</b>		Page: 4
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

- Hazardous combustion products : carbon dioxide and carbon monoxide  
nitrogen oxides (NOx)  
Hydrocarbons
- Specific extinguishing methods : Product is compatible with standard fire-fighting agents.
- Further information : Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Remove all sources of ignition.  
Use personal protective equipment.  
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- 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).  
Keep in suitable, closed containers for disposal.
- Other information : Comply with all applicable federal, state, and local regulations.  
Suppress (knock down) gases/vapours/mists with a water spray jet.

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## SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid formation of aerosol.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Do not breathe vapours/dust.  
Do not smoke.  
Container hazardous when empty.  
Avoid contact with skin and eyes.  
Smoking, eating and drinking should be prohibited in the application area.  
For personal protection see section 8.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

<b>ASHLAND</b>		Page: 5
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

Observe label precautions.  
No smoking.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Hazardous components without workplace control parameters				
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	TWA	200 mg/m3 Non-aerosol (as total hydrocarbon vapor)	ACGIH
		SKIN_DES		ACGIH
				ACGIH
		REL	100 mg/m3	NIOSH/GUIDE
		ST ESL	3,500 µg/m3	TX ESL
		AN ESL	350 µg/m3	TX ESL
DISTILLATES, SOLVENT- REFINED HEAVY PARAFFINIC	64741-88-4			ACGIH
				ACGIHLIS_P
				ACGIHLIS_P
		PEL	500 ppm 2,000 mg/m3	OSHA_TRANS
		REL	5 mg/m3 Mist.	NIOSH/GUIDE
		STEL	10 mg/m3 Mist.	NIOSH/GUIDE
		PEL	5 mg/m3 Mist.	OSHA_TRANS
		TWA	5 mg/m3 Inhalable fraction.	ACGIH
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC	64742-94-5	REL	100 ppm 400 mg/m3	NIOSH/GUIDE
		PEL	100 ppm 400 mg/m3	OSHA_TRANS

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

### Personal protective equipment

Hand protection

<b>ASHLAND</b>		Page: 6
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	: Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.
Skin and body protection	: Wear as appropriate: Impervious clothing Safety shoes Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment supplier).
Hygiene measures	: Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Odour	: hydrocarbon-like
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: <-38 °F / -39 °C
Boiling point/boiling range	: > 356 °F / 180 °C (1013 hPa)
Flash point	: 91 °C
Evaporation rate	: 0.1 butyl acetate=1
Flammability (solid, gas)	:  No data available
Flammability (liquids)	: Static Accumulating liquid
Flammability (liquids)	:
Upper explosion limit	: 6.0 %(V)
Lower explosion limit	: 1.0 %(V)

<b>ASHLAND®</b>		Page: 7
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

Vapour pressure : 0.2 mmHg (20 °C)

Relative vapour density : No data available

Relative density : No data available

Density : Average 0.8550 g/cm<sup>3</sup> (20 °C)

Solubility(ies)

Water solubility : insoluble

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : 36.8 mm<sup>2</sup>/s (40 °C)

Oxidizing properties : No data available

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Vapours may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : No hazardous decomposition products are known.

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## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation  
Skin contact  
Eye Contact

<b>ASHLAND®</b>		Page: 8
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

## Ingestion

### Acute toxicity

Not classified based on available information.

### Components:

Distillates, petroleum, solvent-refined heavy paraffinic:

Acute oral toxicity : LD 50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.58 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: Not classified as acutely toxic by inhalation under GHS.  
Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD 50 (Rabbit): > 5,000 mg/kg  
Remarks: No mortality observed at this dose.

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:

Acute oral toxicity : LD 50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC 50 (Rat, male and female): > 5.28 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity : LD 50 (Rabbit): > 2,000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:

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

Acute inhalation toxicity : LC50 (Rat): > 5.53 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Naphtha (petroleum), heavy aromatic:

Acute oral toxicity : LD 50 (Rat): > 5,000 mg/kg



<b>ASHLAND</b>		Page: 9
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

Acute inhalation toxicity : LC 50 (Rat): > 3,800 mg/m3  
Exposure time: 4 h  
Assessment: Not classified as acutely toxic by inhalation under GHS.

Acute dermal toxicity : LD 50 (Rabbit): > 3,000 mg/kg  
Assessment: Not classified as acutely toxic by dermal absorption under GHS.

**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Remarks: May cause skin irritation and/or dermatitis.

**Components:**

Distillates, petroleum, solvent-refined heavy paraffinic:

Species: Rabbit

Result: No skin irritation

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:

Result: Irritating to skin.

RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:

Species: Rabbit

Result: No skin irritation

Naphtha (petroleum), heavy aromatic:

Result: Mildly irritating to skin

**Serious eye damage/eye irritation**

Not classified based on available information.

**Product:**

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

**Components:**

Distillates, petroleum, solvent-refined heavy paraffinic:

Species: Rabbit

Result: No eye irritation

RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:

Species: Rabbit

Result: Mildly irritating to eyes

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Components:**

Distillates, petroleum, solvent-refined heavy paraffinic:

Test Type: Buehler Test

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

<b>ASHLAND®</b>		Page: 10
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

**RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:**

Test Type: Buehler Test

Species: Guinea pig

Assessment: Does not cause skin sensitisation.

Method: OECD Test Guideline 406

Germ cell mutagenicity

Not classified based on available information.

**Components:**

**DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:**

Genotoxicity in vitro : Test Type: Ames test

Result: negative

**RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:**

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Components:**

Distillates, petroleum, solvent-refined heavy paraffinic:

No aspiration toxicity classification

**RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:**

No aspiration toxicity classification

Naphtha (petroleum), heavy aromatic:

May be fatal if swallowed and enters airways.

**Further information**

**Product:**

Remarks: No data available

**Carcinogenicity:**

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

<b>ASHLAND</b>		Page: 11
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

#### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : Not classified based on available information.

Chronic aquatic toxicity : Not classified based on available information.

#### Components:

Distillates, petroleum, solvent-refined heavy paraffinic:

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 203  
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 202


Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOELR (Oncorhynchus mykiss (rainbow trout)): Calculated >= 1,000 mg/l  
Exposure time: 14 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEL (Daphnia (water flea)): 10 mg/l  
Exposure time: 21 d  
Test substance: WAF  
Method: OECD Test Guideline 211

#### RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:

Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Test substance: WAF

		Page: 12
SAFETY DATA SHEET		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EL50 (Scud (Gammarus pulex)): > 10,000 mg/l  
Exposure time: 48 h  
Test Type: semi-static test  
Method: OECD Test Guideline 202

Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: static test  
Test substance: WAF  
Method: OECD Test Guideline 201

#### Persistence and degradability

##### Components:

Distillates, petroleum, solvent-refined heavy paraffinic:

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 2 - 4 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT:

Biodegradability : Result: Inherently biodegradable  
Biodegradation: 58.6 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED:

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 2 - 4 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
Remarks: Information given is based on data obtained from similar substances.

No data available

#### Bioaccumulative potential

##### Components:

No data available

#### Mobility in soil

##### Components:

No data available

#### Other adverse effects

No data available

##### Product:

Additional ecological information : No data available

##### Components:

<b>ASHLAND</b>		Page: 13
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

General advice : Dispose of in accordance with all applicable local, state and federal regulations.

Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

## SECTION 14. TRANSPORT INFORMATION

### International transport regulations

#### REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

#### MX\_DG

Not dangerous goods

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

#### INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

#### TDG\_INWT\_C

Not dangerous goods

#### TDG\_RAIL\_C

Not dangerous goods
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<b>ASHLAND</b>		Page: 14
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

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**TDG\_ROAD\_C**

Not dangerous goods

**U.S. DOT - INLAND WATERWAYS**

Not dangerous goods

**CFR\_RAIL\_C**

Not dangerous goods

**U.S. DOT - ROAD**

Not dangerous goods

**\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant	no
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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

**SECTION 15. REGULATORY INFORMATION**

**SARA 311/312 Hazards** : Fire Hazard  
Acute Health Hazard

**SARA 313 Component(s)** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Pennsylvania Right To Know**

LUBRICANT ADDITIVE	Not Assigned
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7
Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8
RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED	64742-01-4

<b>ASHLAND</b>		Page: 15
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

#### New Jersey Right To Know

LUBRICANT ADDITIVE	Not Assigned
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7
Distillates, petroleum, solvent-refined heavy paraffinic	64741-88-4
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8
RESIDUAL OILS (PETROLEUM), SOLVENT-REFINED	64742-01-4

#### California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### 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
AICS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
ENCS	: Not 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

#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

## SECTION 16. OTHER INFORMATION

#### Further information

Revision Date: 05/27/2016

<b>NFPA:</b>	<b>HMIS III:</b>
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<b>ASHLAND®</b>		Page: 16
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL		Version: 2.0
822384		

<p>Flammability</p> <p>Health</p> <p>Instability</p> <p>Special hazard.</p>	<table border="1"> <tr> <td><b>HEALTH</b></td> <td><b>2</b></td> </tr> <tr> <td><b>FLAMMABILITY</b></td> <td><b>2</b></td> </tr> <tr> <td><b>PHYSICAL HAZARD</b></td> <td><b>0</b></td> </tr> </table> <p>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p>	<b>HEALTH</b>	<b>2</b>	<b>FLAMMABILITY</b>	<b>2</b>	<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>HEALTH</b>	<b>2</b>						
<b>FLAMMABILITY</b>	<b>2</b>						
<b>PHYSICAL HAZARD</b>	<b>0</b>						

**NFPA Flammable and Combustible Liquids Classification**  
Combustible Liquid Class IIIA

#### Full text of H-Statements

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.

Sources of key data used to compile the Safety Data Sheet  
Ashland internal data including own and sponsored test reports  
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists  
BEI : Biological Exposure Index  
CAS : Chemical Abstracts Service (Division of the American Chemical Society).  
CMR : Carcinogenic, Mutagenic or Toxic for Reproduction  
FG : Food grade  
GHS : Globally Harmonized System of Classification and Labeling of Chemicals.  
H-statement : Hazard Statement  
IATA : International Air Transport Association.  
IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization



<b>ASHLAND®</b>		Page: 17
<b>SAFETY DATA SHEET</b>		Revision Date: 05/27/2016
		Print Date: 6/23/2016
		SDS Number: R0172415
Valvoline™ Multi-Purpose 2-Cycle TC-W3 MOTOR OIL  822384		Version: 2.0

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act

DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System