



**SAFETY DATA SHEET**  
According to the Hazard Communication Standard, 29 CFR 1910.1200

SDS # : 083897

**FLUIDMATIC MV**

Date of the previous version: not applicable

Revision Date: 2015-08-25

Version 1

**1. IDENTIFICATION**Product identifier

Product name FLUIDMATIC MV

Other means of identification

Product Code(s) 083897

Number 8SH  
Substance/mixture MixtureRecommended use of the chemical and restrictions on use

Identified uses synthetic. Automatic transmission fluids.

Uses advised against Do not use for any purpose other than the one for which it is intended

Details of the supplier of the safety data sheetSupplier Address TOTAL Specialties USA Inc  
1201 Louisiana Street, Suite 1800  
Houston, TX 77002  
Phone: +1 800 323 3198

Contact Point Technical/ HSEQ

E-mail Address USRMLIN-info@total.com

Emergency telephone numberCompany Phone Number +1 (908) 862-9300  
Emergency telephone CHEMTREC: +1 800 424 9300 (24h)**2. HAZARDS IDENTIFICATION**ClassificationSkin corrosion/irritation - Category 2  
Serious eye damage/eye irritation - Category 2ALabel elements

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**WARNING**

Causes serious eye irritation  
Causes skin irritation

**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
Wash face, hands and any exposed skin thoroughly after handling

**Precautionary Statements - Response**

Specific treatment (see Section 4 on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Skin**

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

**Unknown Acute Toxicity**

Not applicable

**Hazards not otherwise classified (HNOC)**

• May be harmful if swallowed

**Other information**

**Properties Affecting Health** No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Alkyl Phosphites	^	<1

**4. FIRST AID MEASURES****First aid measures for different exposure routes**

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<b>General advice</b>	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. Remove from exposure, lie down. If symptoms persist, call a physician. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Remove from exposure, lie down. If symptoms persist, call a physician. Rinse mouth.

### Most important symptoms/effects, acute and delayed

<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Symptoms</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Redness. Itching.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b><u>Suitable Extinguishing Media</u></b>	Water spray. Dry powder. Foam. Carbon dioxide (CO <sub>2</sub> ).
<b><u>Unsuitable Extinguishing Media</u></b>	Do not use a solid water stream as it may scatter and spread fire.
<b><u>Special Hazard</u></b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b><u>Protective Equipment and Precautions for Firefighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**General Information** Ensure adequate ventilation. For personal protection see section 8.

**Other information** See Section 12 for additional information.

#### Environmental precautions

**General Information** Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

#### Methods and materials for containment and cleaning up

**Methods for cleaning up** Keep in suitable, closed containers for disposal. 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).

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke. Avoid breathing vapors or mists. Ensure adequate ventilation.

**Hygiene measures** When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Regular cleaning of equipment, work area and clothing is recommended. Avoid breathing vapors, mist or gas.

#### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of reach of children.

**Materials to Avoid** Strong oxidizing agents. Strong reducing agents. Strong acids. Strong bases.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure limits** Mineral oil mist:  
USA: OSHA (PEL) TWA 5 mg/m<sup>3</sup>, NIOSH (REL) TWA 5 mg/m<sup>3</sup>, STEL 10 mg/m<sup>3</sup>, ACGIH (TLV) TWA 5 mg/m<sup>3</sup> (highly refined).

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### Exposure controls

**Engineering Measures** Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures, such as personal protective equipment

**General Information** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

**Eye/Face Protection** If splashes are likely to occur, wear: Safety glasses with side-shields.

**Skin and body protection** Wear suitable protective clothing. Protective shoes or boots.

**Hand Protection** Protective gloves.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Regular cleaning of equipment, work area and clothing is recommended. Avoid breathing vapors, mist or gas.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

<b>Color</b>	red
<b>Physical State @20°C</b>	liquid
<b>Odor</b>	Petroleum distillates
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>pH</b>		Not applicable	
<b>Melting point/range</b>		No information available	
<b>Boiling point/boiling range</b>		No information available	
<b>Flash point</b>	<b>220 °C</b> 428 °F		ASTM D 93 ASTM D 93.
<b>Evaporation rate</b>		No information available	
<b>Flammability Limits in Air upper</b>	-	No information available	

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<b>Lower Vapor Pressure</b>	-	No information available	
<b>Vapor density</b>		No information available	
<b>Relative density</b>	0.8476	No information available	
<b>Density</b>	847 kg/m <sup>3</sup>		
<b>Water solubility</b>		Not applicable	
<b>Solubility in other solvents</b>		No information available	
<b>logPow</b>		No information available	
<b>Autoignition temperature</b>		No information available	
<b>Decomposition temperature</b>		No information available	
<b>Viscosity, kinematic</b>	7.3 mm <sup>2</sup> /s	@ 100 °C	
<b>Explosive properties</b>	Not explosive		
<b>Oxidizing Properties</b>	Not applicable		
<b>Possibility of hazardous reactions</b>	Not applicable		
<b>Other information</b>			
<b>Freezing Point</b>		No information available	
<b>Pour point</b>	-45 °C		ASTM D 97

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	Heat, flames and sparks. Take precautionary measures against static discharges.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong reducing agents. Strong acids. Strong bases.
<b>Hazardous Decomposition Products</b>	None under normal use.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

**Information on likely routes of exposure**

**Principle Routes of Exposure** Inhalation, Ingestion, Eye contact, Skin contact.

**Numerical measures of toxicity - Product Information****Information on toxicological effects**

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<b>Symptoms</b>	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Redness. Itching.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes.
<b>Sensitization</b>	Not classified as a sensitizer.
<b>Carcinogenicity</b>	This product is not classified carcinogenic.

<b>Mutagenicity</b>	This product is not classified as mutagenic.
<b>Reproductive toxicity</b>	This product does not present any known or suspected reproductive hazards.
<b>Aspiration Hazard</b>	Not classified.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute aquatic toxicity - Product Information

No experimental data available

#### Acute aquatic toxicity - Component Information

No information available

#### Chronic aquatic toxicity - Product Information

No experimental data available

#### Chronic aquatic toxicity - Component Information

No information available

**Effects on terrestrial organisms** No experimental data available .

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**Persistence and degradability**

**General Information** No information available.

**Bioaccumulative potential**

**Product Information** No information available.

**logPow** No information available

**Component Information** No information available.

**Mobility**

**Soil** No information available

**Other adverse effects**

**General Information** No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment**

**Waste Disposal Methods** Should not be released into the environment. Dispose of in accordance with local regulations.

**Contaminated packaging** Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO/IATA** Not regulated

**IMDG/IMO** Not regulated

**ADR/RID** Not regulated

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ADN Not regulated

### 15. REGULATORY INFORMATION

International Inventories All the substances contained in this product are listed or exempted from listing in the following inventories:  
U.S.A. (TSCA)

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	no
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### California Proposition 65

This product contains chemicals known to the State of California to cause cancer or reproductive toxicity

#### U.S. State Right-to-Know Regulations

No information available

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### 16. OTHER INFORMATION

<u>NFPA</u>	Health Hazard 2	Flammability 1	Instability 0	Physical and chemical hazards -
<u>HMIS</u>	Health Hazard 2	Flammability 1	Physical Hazard 0	Personal protection X

NFPA (National Fire Protection Association)

HMIS (Hazardous Material Information System)

Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

Revision Date: 2015-08-25  
 Revision Note: \*\*\* Indicates updated section  
 Abbreviations, acronyms

#### Legend

Section 8  
 ACGIH - American Conference of Governmental Industrial Hygienists  
 OSHA - Occupational Safety and Health Administration  
 NIOSH - National Institute for Occupational Safety and Health  
 TLV - Threshold Limit Values  
 PEL - Permissible Exposure Limits  
 IDHL - Immediately Dangerous to Life or Health concentrations  
 TWA - Time Weight Average  
 STEL - Short Term Exposure Limits  
 S\* - Skin notation  
 TSCA - Toxic Substance Control Act

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

End of the safety data sheet

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