



## SPECIALIZED LUBRICANTS

### 1. Substance/Product Identification

**Product Name:** 205A Dexron® VI/Mercon® LV Automatic Transmission Fluid

**Company/Address:** Schaeffer Mfg  
102 Barton Street  
Saint Louis, Missouri 63104  
USA

**Preparation/Revision Date:** 09/10/2014

**Product Use/Type:** Automatic transmission fluid

**Emergency Phone Number:** +1 314 865-4105 (24-hour response number)  
+ 1 314 865-4100 (Business hours 8:30AM-5:00PM)  
1-800-325-9962 (US & Canada)

**Website:** [www.schaefferoil.com](http://www.schaefferoil.com)

**MSDS Number:** 205A Version 1.0

### 2. Hazards Identification

**Appearance:** Red color liquid,

**Odor:** petroleum

**Hazard Symbols:**



**Hazard Statements:** Warning! This product may irritate eyes and skin upon contact. Inhalation of mist or spray may cause irritation of the upper respiratory tract if inhaled. May be fatal if swallowed and enters airways.

See Section 11 for complete health hazard information

**Product Name: 205A Dexron® VI/Mercon® LV Automatic Transmission Fluid**

**3. Composition and Information on Ingredients**

**Hazardous Ingredients**

Ingredient Name	CAS No.	EU Number	Percentage (by wt.)
Synthetic Petroleum Oil, Light Paraffinic	64742-55-8	265-158-7	85 – 95
Methacrylate Copolymer	Proprietary	Proprietary	1 – 2.5
Alkoxy Sulfoine	Proprietary	Proprietary	0.5 – 1.5
Long Chain Alkyenyl Succinimide	Proprietary	Proprietary	0.5 – 1.5
Long Chain Alkyl Amine	Proprietary	Proprietary	<1
Alkyl Methacrylate	Proprietary	Proprietary	<1
Long Chain Alkyenyl Imidazoline Alkanol	Proprietary	Proprietary	<1

**The base oils contained in this product have been highly refined or synthetized by various processes including severe hydrotreating to reduce their aromatic content and to improve performance properties. The highly refined petroleum base oils contain <3% w/w DMSO extracts according to the IP 346 Test method and are not considered to be carcinogenic.**

**4. First Aid Measures**

**Ingestion:** If swallowed, do not induce vomiting. Give the person a glass of water or milk to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

**Eyes:** Flush eyes with running water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. Get immediate medical attention.

**Inhalation:** Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

**Skin:** To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. Get medical attention if any irritation or redness develops.

**Additional Information:** Ingestion of this product or subsequent vomiting may result in aspiration of petroleum hydrocarbon liquid, which may cause pneumonitis

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## **5. Fire Fighting Measures:**

**Flash Point:** >340°F (>171.1°C)

**Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames and fire.

**Firefighting Procedures:** This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus

**Unusual Fire & Explosion:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion

## **6. Accidental Release Measures**

**Spill Procedures and Clean-up methods:** Eliminate all sources of ignition in vicinity of spilled material. Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Personal Precautions:** Wear appropriate personal protective equipment when cleaning up spills.

**Environmental Precautions:** U.S.A. regulations may require reporting spills of this material that could reach any surface waters. Report spills to all applicable Federal, State, Provincial and local authorities and/or the United States National Response Center at (800) 424-8802 as appropriate or required

## **7. Handling & Storage**

**Handling:** Avoid all contact of product with eyes and skin. Wash thoroughly after handling and before eating, smoking or using toilet facilities. Do not swallow product. Do not inhale vapors or mists. Do not eat, drink or smoke in work areas.

**Storage:** Do not store product at elevated temperatures. Store in a cool dry place that has adequate ventilation. Do not store near food or feed products. Keep containers closed when not in use.

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**8. Exposure Controls and Personal Protection**

**Occupational Exposure Limits**

Ingredient	OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Synthetic Petroleum Oil, Light Paraffinic	5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>	
Methacrylate Copolymer	NE		NE	NE
Alkoxy Sulfoine	NE		NE	NE
Long Chain Alkyenyl Succinimide	NE		NE	NE
Long Chain Alkyl Amine	NE		NE	NE
Alkyl Methacrylate	NE		NE	NE
Long Chain Alkyenyl Imidazoline Alkanol	NE		NE	NE

(s)-Skin exposure

(p) proposed limit

(c) – Ceiling limit

(l) Recommended exposure limit

(u) supplier limit

(N/E) – not established

**Other Exposure Limits**

**Engineering Controls:** If user operations generate an oil mist, determine if airborne concentrations are below the OSHA Permissible Limit (PEL) of 5 mg/m<sup>3</sup> for mineral oil mist. If not, wear a NIOSH approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge

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## **8. Exposure Controls and Personal Protection continued**

### **Personal Protective Equipment**

**Gloves:** Nitrile or oil resistant gloves

**Protective Clothing:** Wear impervious protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Users should determine acceptable performance characteristics of protective clothing. Consider physical requirements and other substances present when selecting protective clothing.

**Eye Protection:** Wear eye protection such as safety glasses, chemical goggles, or face shields if engineering controls or work practices are not adequate to prevent eye contact.

**Skin Protection:** Wear impervious protective clothing to prevent skin contact

## **9. Physical and Chemical Properties**

**Flash Point:** >340°F (>171.1°C)

**Specific Gravity:** 0.8461 @ 60°F (15.5°C)

**Upper Flammable Limit (UEL):** Not Determined

**Lower Flammable Limit (LEL):** Not Determined

**Vapor Pressure:** Not Determined

**Vapor Density (air =1):** Heavier than air

**Percent Volatile:** Negligible

**Evaporation Rate:** Not determined

**pH:** Not applicable

**Boiling Point:** >600°F (>300°C)

**Melting Point:** Not applicable

**Appearance:** Red color liquid

**Odor:** Petroleum

**Solubility in Water:** Nil

***The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise specified***

**Product Name: 205A Dexron® VI/Mercon® LV Automatic Transmission Fluid**

**10. Stability and Reactivity**

**Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Materials to Avoid:** Strong acids, bases and oxidizers

**Polymerization:** Not expected to occur during conditions of normal use.

**Thermal Decomposition:** Not determined

**Conditions to Avoid:** May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc,

**11. Toxicological Information:**

**Routes of Exposure:** Skin, eyes, ingestion and inhalation

**Target Organs:** Skin, eyes, upper respiratory tract

**Acute Exposure**

**Ingestion:** Ingestion may cause a laxative effect. This material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.

**Eye Contact:** Slight irritation and redness to eyes

**Skin Contact:** Contact with skin is not expected to cause prolonged or significant irritation

**Inhalation:** Contains petroleum hydrocarbon base oils. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

**Dermal Sensitization:** Product may be a dermal sensitizer

**Inhalation Sensitization:** Not expected to be a inhalation sensitizer.

**Carcinogenicity:** This product does not contain any of the chemicals listed on the United States National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and United States' Occupational Safety and Health Administrations 29CFR 1910.10 Subpart Z List. Ames Test: Negative

**Additional Toxicological Information:**

**Synthetic Petroleum Base Oils**

**Acute Inhalation Toxicity:** LC50 >5,000 mg/m<sup>3</sup> (rat)

**Acute Oral Toxicity LD50:** >2,000 mg/kg (rat)

**Acute Dermal Toxicity: LD50:** >2,000 mg/kg (rabbit)

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## **12. Environmental and Ecological Information**

**Ecotoxicity:** Expected to be harmful to aquatic organisms. Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained.

### **Environmental Fate**

**Biodegradation:** This material is not expected to be inherently or readily biodegradable

**Bioaccumulation:** Expected to be harmful to aquatic organisms. Long term adverse effects to aquatic organisms are possible if continuous exposure is maintained.

**Water Class Hazard (Germany):** Water Hazard Class 2 1 according to appendix 4  
VwVwS dated 27.7.2005

## **13. Disposal Considerations**

**Waste Handling and Disposal:** Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if discarded, is not considered a hazardous waste

## **14. Transport Information**

**US DOT Classification Non-Bulk:** Not regulated

**US DOT Classification Bulk:** Not regulated

**IMDG Classification:** Not regulated

**IATA/ICAO Classification:** Not regulated

## **15. Regulatory Information**

### **US Regulations**

**TSCA Inventory:** All of the components in this material are on the US TSCA Inventory or are exempt.

**State of California Proposition 65:** This product does not contain any of the chemicals that are listed on the State of California's Proposition 65 List as possible cancer causing agents or reproductive toxins.

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**15. Regulatory Information continued**

**US EPA SARA Title III and CERCLA Listings and Reportable Quantities:** No SARA Title III and CERCLA chemicals are present above the reporting threshold.

**US EPA Section 311/313 Classifications:** None

**US EPA Section 313 Chemicals:** No SARA Title III 313 chemicals are present above the reporting threshold.

**US Tariff Heading Number: 3403.19.0000**

**Schedule B Number: 3403.19.0000**

**Other Regulations:**

**Canada:** All of the ingredients of this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List

**Canadian WHMIS Classifications and Symbols:** This product is not considered to be a WHMIS hazard

**EEC:** All components are in compliance with the EC Seventh Amendment Directive 92/32/EEC

**16. Other Information**

**Hazardous Materials Information System  
(U.S.A.)**

**Health: 1  
Fire: 1  
Reactivity: 0**

**National Fire Protection Agency System  
(U.S.A.)**

**Health: 1  
Fire: 1  
Reactivity: 0**

**For additional information call +1 314-865-4100 (outside the US and Canada) or 1-800-325-9962 inside the United States and Canada.**

Although the information and recommendations set forth herein (hereafter referred to as information) are presented in good faith and believed to be accurate and factual as of the date hereof, Schaeffer Mfg. Company makes no representation as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Schaeffer Mfg. Company be responsible for damages of any natures whatsoever resulting from the use or reliance upon information. **No representation or warranty, either expressed or implied, of merchantability or fitness for a particular purpose is made with respect to information of the product to which the information refers. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.**