

HMCS ID: 1190862

SUC: 04-Metal Working Fluids and Lubricants

External Key: 10-4093, 19300536, ACDelco  
DEXRON HP Automatic Transmission Fluid

MATERIAL SAFETY DATA SHEET

Print Date: 01.Feb.2013



# Safety Data Sheet

ATF-212-B

MSDS no.

ATF-212-B

## 1. Product and company identification

**Product use** Petrochemical industry: Automatic Transmission Fluid

**Date of issue/Revisions** 27 June 2011

### In case of emergency - Chemical

+1-800-403-0044 (US & Canada)  
+1-804-648-7727 (International)  
+32-2-507-20-64 (Europe)  
+81 345 789 341 (Japan)  
+65 3158-1074 (Asia Pacific)  
+86 10 5100 3039 (China)  
+61 2801 44558 (Australia)

### Manufacturer / Supplier

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Telephone number: +1-804-788-5800

Afton Chemical Limited  
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RG12 2UW, England  
Telephone Number: +44 1344 304141  
msds@aftonchemical.com

In Singapore:  
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#09-05  
TripleOne Somerset  
Singapore 238164  
Telephone number: +65 3732 0822  
Fax: +65 3737 4123

## 2. HAZARDS IDENTIFICATION

### Notice to reader

*Afton operates a world-wide system for hazard communication. Some hazards shown in Section 2 may apply to non-EU countries and may not result in classification and labeling in the EU. Please see Sections 3 and 15 for country specific classification information, and Section 11 for additional details.*

**Europe:** The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Australia:** NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

**Primary hazards and critical effects** : NOTICE!

**Environmental hazards** : Not classified as dangerous for the environment according to EC criteria.

### Hazardous Material Information System (U.S.A.)

Health	0
Fire hazard	1
Reactivity	0

## GHS Classification

**Hazard classification** : Not classified.

**Symbol** :

**Signal word** : No signal word.

**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

SUC: 04-Metal Working Fluids and Lubricants

External Key: 10-4093, 19300536, ACDelco

DEXTRON HP Automatic Transmission Fluid

ATF-212-B

In Case of Emergency +1-800-403-0044 (US/Canada) +1-804-648-7727 (Int'l) +32-2-507-20-64 (Eu) Page: 2/6

- Prevention** : Not applicable.
- Response** : Not applicable.
- Storage** : Not applicable.
- Disposal** : Not applicable.

### 3. Composition/information on ingredients

Note: see section 8 for occupational exposure limits and section 11 for LC50/LD50 information

**Substance/Preparation** : Preparation

<u>Ingredient name</u>	<u>CAS no.</u>	<u>Conc. (% w/w)</u>	<u>EU Classification</u>	<u>WHMIS Regulated?</u>
Polyalkene	Proprietary	70 - 80	Not classified.	No.
Polyolefin	Proprietary	10 - 19.9	Xn; R65	No.
Mineral oil	Mixture	1 - 4.9	Not classified.	No.
Methacrylate copolymer	Proprietary	1 - 4.9	Xi; R36	Yes.

### 4. First aid measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
- Ingestion** : If affected person is fully conscious, give one glass of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Skin contact** : Wash with soap and water. Get medical attention if irritation develops.
- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

### 5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Fire-fighting procedures** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Hazardous decomposition products** : No specific data.
- Flash point** :  Closed cup: 180°C (356°F) [Minimum Pensky-Martens.]  
Closed cup: 200°C (392°F) [Typical Pensky-Martens.]

### 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).
- Environmental precautions and clean-up methods** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways.

Note: see section 1 for emergency contact information and section 13 for waste disposal.

### 7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

### 8. Exposure controls/personal protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
- Personal protective equipment**
- Respiratory system** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
  - Skin and body** : Disposable outer garments when there is a risk of contact with the material.
  - Hands** : Use chemical-resistant, impervious gloves.
  - Eyes** : Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.

Occupational exposure limits

<u>Ingredient name</u>	<u>OEL United States</u>	<u>OEL Canada</u>	<u>OEL Europe</u>	<u>OEL Australia</u>

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ATF-212-B

In Case of Emergency +1-800-403-0044 (US/Canada) +1-804-648-7727 (Int'l) +32-2-507-20-64 (Eu) Page: 3/6

1) Mineral oil

ACGIH (United States).

TWA: 5 mg/m<sup>3</sup>

OSHA (United States).

TWA: 5 mg/m<sup>3</sup>

(Canada).

TWA: 5 mg/m<sup>3</sup>STEL: 10 mg/m<sup>3</sup>

EH40-MEL (Europe, 2002).

TWA:

5 mg/m<sup>3</sup> 8 hour(s).

NOHSC (Australia, 2003).

TWA:

5 mg/m<sup>3</sup> 8 hour(s).

## 9. Physical and chemical properties

Physical state and Appearance : Liquid.

Density : 0.86 g/cm<sup>3</sup>

Specific gravity : 0.855 @ 15.6°C

Viscosity : 5.95 cSt @ 100°C

Auto-ignition temperature : Not determined.

Flash point :  Closed cup: 180°C (356°F) [Minimum Pensky-Martens.]  
Closed cup: 200°C (392°F) [Typical Pensky-Martens.]

## 10. Stability and reactivity

Stability : The product is stable.

Materials to avoid : Strong oxidizing and reducing agents.

Conditions to avoid : High temperatures, sparks, and open flames.

## 11. Toxicological information

Routes of entry : Skin, Eyes, Ingestion, and Inhalation.

Target organs : None known.

### Acute effects

Inhalation : Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.

Ingestion : Not determined.

Skin contact :

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Eye contact : Non-irritating to the eyes.

Adverse effects : Not determined.

Carcinogenic effects :

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA	EU
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Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

### Toxicity data

Product/ingredient name	Result	Species	Dose	Exposure
Polyolefin	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
	LC50 Inhalation Vapor	Rat	5 mg/m <sup>3</sup>	4 hours
	Mineral oil	LD50 Dermal	Rabbit	>5000 mg/kg
LD50 Oral		Rat	>5000 mg/kg	-

Other information : Not available.

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DEXRON HP Automatic Transmission Fluid

ATF-212-B

In Case of Emergency +1-800-403-0044 (US/Canada) +1-804-648-7727 (Int'l) +32-2 Page: 4/6  
507-20-64 (Eu)**12. Ecological information****Environmental hazards** : Not classified as dangerous for the environment according to EC criteria. Based on calculation.**Environmental fate** : This product contains components which may be persistent in the environment.**13. Disposal considerations****Waste handling and disposal** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.**14. Transport information**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
ADR/RID Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-
ADG Class	Not regulated.	-	-	-		-

**Notice to reader**

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions.

**15. Regulatory information****EU regulations****Risk phrases** : This product is not classified according to EU legislation.**Safety phrases** : No known significant effects or critical hazards.**US regulations****SARA 313 toxic chemical notification and release reporting (w/w%)** : No SARA 313 chemicals are present above the reporting threshold.**SARA 311/312 Hazardous Categorization** : **SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** HiTEC 5738 Performance Additive: Immediate (acute) health hazard**RQ (Reportable quantity)** :  ERCLA: Hazardous substances.: Ethylene glycol: 5000 lbs. (2270 kg); Phenol: 1000 lbs. (454 kg); Arsenic: 1 lb. (0.454 kg); Ethylene oxide: 10 lbs. (4.54 kg); Ethyl acrylate: 1000 lbs. (454 kg);**State - California Prop. 65** : This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute:  
2-Propenoic Acid, Ethyl Ester  
Arsenic  
Ethylene oxide**Canadian regulations****WHMIS (Classification)** : Not determined.**International Inventory Status****United States inventory (TSCA 8b)** : All components are listed or exempted.**Canada inventory** : All components are listed or exempted.**Europe inventory** : All components are listed or exempted.

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**In Case of Emergency +1-800-403-0044 (US/Canada) +1-804-648-7727 (Int'l) +32-2 Page: 5/6  
507-20-64 (Eu)**

- Japan inventory (ENCS)** : At least one component is not listed.
- Australia inventory (AICS)** : At least one component is not listed.
- Korea inventory (KECI)** : All components are listed or exempted.
- China inventory (IECSC)** : All components are listed or exempted.
- Philippines inventory (PICCS)** : All components are listed or exempted.

### 16. Other information

#### PREPARATION INFORMATION

Validated by HS&E Department (Tel: +1 804 788 5800) on 6/27/2011.

 **Date of printing** : 6/27/2011.

Indicates information that has changed from previously issued version.

#### Notice to reader

*This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. Afton makes no representation as to completeness or accuracy. In no event will Afton be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.*

#### ADDRESS CONTACT INFORMATION

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**Full text of R-phrases appearing in section 3:** : R65- Harmful: may cause lung damage if swallowed.  
R36- Irritating to eyes.

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\*\*\* END OF MSDS \*\*\*