



Safety Data Sheet

MSDS no.

H3476

Distributed By:



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10-3008, 88861314 - ACDelco Automatic Transmission Seal
Conditioner

HiTEC® 3476 Performance Additive

1. Product and company identification

Product use Automatic Transmission Fluid Additive Package

Date of issue/Revisions 7 November 2014

In case of emergency - Chemical

+1-703-527-3887 (International)
+65-3158-1349 (Asia Pacific)
+61-290372994 (Australia)
+32-28083237 (Belgium)
4001-204937 (China)
+385-17776920 (Croatia)
000-800-100-7141 (India)
+81-345209637 (Japan)
00-308-13-2549 (South Korea)
+1-703-741-5979 (Spanish language)
+44-870-8200418 (UK)
1-800-424-9300 (US & Canada)

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(800) 323-3231 (Customer Service)

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Coranna, Canada N0N1G0

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 classified as dangerous according to Directive 1999/45/EC and its amendments.

Australia: NON-HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

Primary hazards and critical effects : NOTICE!

Environmental hazards : Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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

| | |
|--------------------|----------|
| Health | 0 |
| Fire hazard | 1 |
| Reactivity | 0 |

GHS Classification

Hazard classification AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG-TERM) - Category 3

Symbol**Signal word** No signal word.**Hazard statements** Harmful to aquatic life with long lasting effects.**Precautionary statements****Prevention** Avoid release to the environment.**Response** Not applicable.**Storage** Not applicable.**Disposal** Dispose of contents and container in accordance with all local, regional, national and international regulations.**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> |
|------------------------|----------------|----------------------|--------------------------|-------------------------|
| Alkoxy sulfolane | Proprietary | 10 - 19.9 | N; R51/53 | No. |
| Methacrylate copolymer | Proprietary | 5 - 9.9 | Xi; R36 | Yes. |
| Mineral oil | Mixture | 1 - 4.9 | Not classified. | No. |

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 ₂ . |
| 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: 120°C (248°F) [Pensky-Martens. Minimum] |

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 | : Avoid prolonged contact with eyes, skin and clothing. 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> |
|------------------------|---|---|--|--|
| 1) Mineral oil | ACGIH (United States). TWA: 5 mg/m ³ OSHA (United States). TWA: 5 mg/m ³ | (Canada). TWA: 5 mg/m ³ STEL: 10 mg/m ³ | EH40-MEL (Europe, 2002). TWA: 5 mg/m ³ 8 hours. | NOHSC (Australia, 2003). TWA: 5 mg/m ³ 8 hours. |

9. Physical and chemical properties

- Physical state and Appearance** : Liquid. [Viscous liquid.]
- Color** : Amber.
- Odor** : Petroleum.
- Density** : 0.941 g/cm³ [60.1°F (15.6°C)]
- Specific gravity** : 0.943 @ 15.6/15.6°C
- Solubility** : Insoluble in the following materials: cold water.
- Viscosity** : 23 cSt at 40°C
6.1 cSt @ 100°C
- Auto-ignition temperature** : Not determined.
- Flash point** : Closed cup: 120°C (248°F) [Pensky-Martens. Minimum]

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** : Contains material which may cause damage to the following organs: kidneys, liver, thyroid.

Acute effects

- Inhalation** : Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.
- Ingestion** : Not determined.
- Skin contact** : Non-irritating to the skin.
- Eye contact** : Non-irritating to the eyes. Based on test data for this or similar products.

- Adverse effects** : - Adverse symptoms may include the following:: Contains a component which has been shown to cause liver and thyroid effects in laboratory animals after oral administration. Prolonged or repeated exposure may cause liver and kidney effects.

Carcinogenic effects :

| <u>Product/ingredient name</u> | <u>ACGIH</u> | <u>IARC</u> | <u>EPA</u> | <u>NIOSH</u> | <u>NTP</u> | <u>OSHA</u> | <u>EU</u> |
|--------------------------------|--------------|-------------|------------|--------------|------------|-------------|-----------|
| Alkoxy sulfolane | - | - | - | - | - | None. | - |

Toxicity data

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|--------------------------|---------|------------------------|----------|
| Alkyl ester | LD50 Dermal | Rabbit | >2000 mg/kg | - |
| Alkoxy sulfolane | LD50 Dermal | Rabbit | 4000 to 8000 mg/ kg | - |
| Mineral oil | LD50 Oral | Rat | >10000 mg/kg | - |
| | LD50 Dermal | Rabbit | >5000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |
| | LC50 Inhalation Vapor | Rat | >5000 mg/m3 | 4 hours |

Other information : Not available.

12. Ecological information







Environmental hazards : Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Based on calculation.

Environmentalfate : 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 | UN3082 | Environmentally hazardous substance, liquid, n.o.s. (Alkoxy sulfolane). Marine pollutant | 9 | III |  | |
| TDG Classification | UN3082 | Environmentally hazardous substance, liquid, n.o.s. (Alkoxy sulfolane). Marine pollutant | 9 | III |  | |
| ADR/RID Class | UN3082 | Environmentally hazardous substance, liquid, n.o.s. (Alkoxy sulfolane) | 9 | III |  | Hazard identification number 90 Tunnel code (E) |
| IMDG Class | UN3082 | Environmentally hazardous substance, liquid, n.o.s. (Alkoxy sulfolane). Marine pollutant | 9 | III |  | |
| IATA-DGR Class | UN3082 | Environmentally hazardous substance, liquid, n.o.s. (Alkoxy sulfolane) | 9 | III |  | |
| ADG Class | UN3082 | Environmentally hazardous substance, liquid, n.o.s. (Alkoxy sulfolane) | 9 | III |  | |

Marine pollutant

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** : R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases : S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

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 Hazards identification:** Delayed (chronic) health hazard
RQ (Reportable quantity) : CERCLA: Hazardous substances.: No products were found.
State - California Prop. 65 : No products were found.

Canadian regulations

- WHMIS (Classification)** : Not a WHMIS controlled material.

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.
Japan inventory (ENCS) : All components are listed or exempted.
Australia inventory (AICS) : All components are listed or exempted.
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.
New Zealand Inventory of Chemicals (NZIoC) : All components are listed or exempted.

16. Other information

PREPARATION INFORMATION

Validated by HS&E Department (Tel: +1 804 788 5800) on 11/7/2014.

Date of printing : 11/7/2014.

 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.

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Full text of R-phrases appearing in section 3:

- : R36- Irritating to eyes.
- R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*** END OF MSDS ***