



# Safety Data Sheet

## HiTEC® 5850A Performance Additive

MSDS no.

HiTEC 5850A

### 1. Product and company identification

**Product use**

Petrochemical industry: Viscosity Index Improver

**Date of issue/Revisions**

10 February 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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### 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

- 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** :

<u>Ingredient name</u>	<u>CAS no.</u>	<u>Conc. (% w/w)</u>	<u>EU Classification</u>	<u>WHMIS Regulated?</u>
Paraffin oils	8012-95-1	0-50	Xn; R65	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<sub>2</sub>.
- Fire-fighting procedures** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Hazardous decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide
- Flash point** : Not available.

## 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>
1) Paraffin oils	<b>NIOSH (United States, 1994).</b> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> <b>OSHA (United States, 1989).</b> TWA: 5 mg/m <sup>3</sup>	<b>NIOSH (United States, 1994).</b> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> <b>OSHA (United States, 1989).</b> TWA: 5 mg/m <sup>3</sup> <b>NOHSC (Australia, 2003).</b> TWA: 5 mg/m <sup>3</sup> 8 hours.	<b>NIOSH (United States, 1994).</b> TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> <b>OSHA (United States, 1989).</b> TWA: 5 mg/m <sup>3</sup> <b>NOHSC (Australia, 2003).</b> TWA: 5 mg/m <sup>3</sup> 8 hours.	<b>NOHSC (Australia, 2003).</b> TWA: 5 mg/m <sup>3</sup> 8 hours.

## 9. Physical and chemical properties

- Physical state and Appearance** : Solid. [Pellets. Bales or Crumbs.]
- Color** : Clear. to Gray. / Green.
- Odor** : Characteristic.
- Density** : 0.86 to 0.89 g/cm<sup>3</sup> [68°F (20°C)]
- Solubility** : Insoluble in the following materials: cold water.
- Viscosity** :  
12-14 cSt @ 100°C (Diluted Kinematic)
- Auto-ignition temperature** : 330 °C

## 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** : Not determined.
- Ingestion** : Not determined.
- Skin contact** : Non-irritating to the skin.
- Eye contact** : Non-irritating to the eyes.
- Adverse effects** : Not determined.

**Carcinogenic effects** :

## Product/ingredient name

ACGIH

IARC

EPA

NIOSH

NTP

EU

Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Toxicity data

## Product/ingredient name

Olefin copolymer

## Result

LD50 Dermal

LD50 Oral

## Species

Rabbit

Rat

## Dose

&gt;2000 mg/kg

&gt;5000 mg/kg

## Exposure

-

-

Other information : Not available.

## 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 Hazards identification: Not regulated.

RQ (Reportable quantity) : CERCLA: Hazardous substances.: No products were found.

State - California Prop. 65 : No products were found.

## Canadian regulations

WHMIS (Classification) : Not controlled under WHMIS (Canada).

## 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&amp;E Department (Tel: +1 804 788 5800) on 2/10/2014.

Date of printing : 2/10/2014.

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