


**AlphaPlus® 1-Octadecene (C18H36)**

Version 3.9

Revision Date 2017-06-23

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**Product information**

Product Name : AlphaPlus® 1-Octadecene (C18H36)

**EC-No.Registration number**

Chemical name	CAS-No. EC-No. Index No.	Legal Entity Registration number
1-Octadecene	112-88-9 204-012-9	Qatar Chemical Company LTD (Q-Chem) 01-2119474213-44-0002

Relevant Identified Uses Supported : Manufacture  
 Distribution  
 Formulation  
 Use in Oil and Gas field drilling and production operations - Industrial  
 Use in Oil and Gas field drilling and production operations – Professional  
 Use in polymer production – industrial  
 Use as an intermediate  
 Use in coatings – industrial  
 Use in coatings – professional  
 Use in Coatings - Consumer  
 Use in mining – industrial

**Company** : Qatar Chemical Company LTD (QChem)  
 Amwal Tower, Omar Al Mukhtar St,  
 Al-Dafna (Zone 61)  
 PO Box 24646  
 Doha, Qatar

SDS Requests: (+974) 4484-7110  
 Technical Information: (+974) 4477-0047  
 Responsible Party: Product Safety Group  
 Email: MSDSInquiry@qchem.com.qa

Local : Muntajat B.V. (MBV OR)  
 19th Floor, Tower E, WTC The Hague  
 Prinses Margrietplantsoen 78-A, 2595 BR  
 The Hague, the Netherlands.

**Emergency telephone:**

**Health:**  
 866.442.9628 (North America)

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1.832.813.4984 (International)

**Transport:**

CHEMTREC 800.424.9300 or 703.527.3887(int'l)

Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Mexico CHEMTREC 01-800-681-9531 (24 hours)

South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Argentina: +(54)-1159839431

Responsible Department : Product Safety and Toxicology Group  
 E-mail address : SDS@CPChem.com  
 Website : www.CPChem.com

**SECTION 2: Hazards identification****Classification of the substance or mixture****REGULATION (EC) No 1272/2008**

Aspiration hazard, Category 1

H304:

May be fatal if swallowed and enters airways.

**Label elements****Labeling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H304 May be fatal if swallowed and enters airways.

Precautionary Statements : **Response:**  
 P301 + P310 IF SWALLOWED: Immediately call a  
 POISON CENTER/doctor.  
 Do NOT induce vomiting.

**P331**  
**Storage:**  
 P405 Store locked up.

**Disposal:**  
 P501 Dispose of contents/ container to an  
 approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

- 112-88-9 1-Octadecene

**Additional Labeling:**

EUH066 Repeated exposure may cause skin dryness or cracking.

**SECTION 3: Composition/information on ingredients**

Synonyms : C18

SDS Number:100000067759

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NAO 18  
Octadecene-1  
C18H36

Molecular formula : C18H36

**Mixtures****Hazardous ingredients**

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
1-Octadecene	112-88-9 204-012-9	Asp. Tox. 1; H304	90 - 100

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures**

- General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**SECTION 5: Firefighting measures**

- Flash point : 154 °C (309 °F)  
Method: PMCC
- Autoignition temperature : 250 °C (482 °F)
- Unsuitable extinguishing media : High volume water jet.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Fire and explosion : Normal measures for preventive fire protection.

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protection

Hazardous decomposition products : Carbon Dioxide. Carbon monoxide.

**SECTION 6: Accidental release measures**

Personal precautions : Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

A quantitative risk assessment is not required for the environment.

A quantitative risk assessment is not required for human health.

**SECTION 7: Handling and storage****Handling**

Advice on safe handling : Do not breathe vapors/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

**Storage**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8: Exposure controls/personal protection****Personal protective equipment**

Respiratory protection : Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as: Air-Purifying Respirator for Organic Vapors, Dusts and Mists. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

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- Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles.
- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Protective suit. Safety shoes.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

A quantitative risk assessment is not required for the environment.  
A quantitative risk assessment is not required for human health.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

- Physical state : Liquid  
Color : Colorless liquid or white solid

**Safety data**

- Flash point : 154 °C (309 °F)  
Method: PMCC
- Lower explosion limit : 0,4 %(V)
- Upper explosion limit : 6,9 %(V)
- Oxidizing properties : no
- Autoignition temperature : 250 °C (482 °F)
- Molecular formula : C18H36
- Molecular weight : 252,54 g/mol
- pH : Not applicable
- Pour point : No data available
- Freezing point : 17,5 °C (63,5 °F)
- Boiling point/boiling range : 315 °C (599 °F)
- Vapor pressure : 0,00 Pa

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	at 25 °C (77 °F)
	< 0,01 kPa
	at 65 °C (149 °F)
Relative density	: 0,79
	at 15,6 °C (60,1 °F)
Density	: 792 kg/m <sup>3</sup>
	at 15 °C (59 °F)
	789 kg/m <sup>3</sup>
	at 20 °C (68 °F)
	768 kg/m <sup>3</sup>
	at 50 °C (122 °F)
Water solubility	: Soluble in hydrocarbon solvents; insoluble in water.
Partition coefficient: n-octanol/water	: No data available
Viscosity, kinematic	: 3,8 cSt
	at 37,8 °C (100,0 °F)
Relative vapor density	: 8,71
	(Air = 1.0)
Evaporation rate	: No data available

**SECTION 10: Stability and reactivity**

Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
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**Possibility of hazardous reactions**

Conditions to avoid	: No data available.
Materials to avoid	: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous decomposition products	: Carbon Dioxide Carbon monoxide
Other data	: No decomposition if stored and applied as directed.

**SECTION 11: Toxicological information****Acute oral toxicity**

1-Octadecene	: LD50: > 10.000 mg/kg
	Species: Rat
	Sex: male and female

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Method: OECD Test Guideline 401

Test substance: no

Information given is based on data obtained from similar substances.

**Skin irritation**

1-Octadecene

: No skin irritation  
 Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

**Eye irritation**

1-Octadecene

: No eye irritation

**Sensitization**

1-Octadecene

: Did not cause sensitization on laboratory animals.

**Repeated dose toxicity**

1-Octadecene

: Species: rat (female)  
 Application Route: oral gavage  
 Dose: 0, 100, 500, 1000 mg/kg/d  
 NOEL: 1.000 mg/kg  
 Method: OECD Guideline 422  
 Information given is based on data obtained from similar substances.

**Reproductive toxicity**

1-Octadecene

: Species: Rat  
 Sex: male and female  
 Application Route: oral gavage  
 Dose: 0, 100, 500, 1000 mg/kg/d  
 Method: OECD Guideline 421  
 NOAEL Parent: 1.000 mg/kg  
 NOAEL F1: 1.000 mg/kg  
 Information given is based on data obtained from similar substances.

**AlphaPlus® 1-Octadecene (C18H36)****Aspiration toxicity**

: May be fatal if swallowed and enters airways.  
 Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

**CMR effects**

1-Octadecene

: Carcinogenicity: Not available  
 Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.  
 Teratogenicity: Not available  
 Reproductive toxicity: No toxicity to reproduction

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**Further information** : Solvents may decrease the skin.**SECTION 12: Ecological information****Toxicity to fish**

1-Octadecene : LL50: > 1.000 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 203  
Information given is based on data obtained from similar substances.

**Toxicity to daphnia and other aquatic invertebrates**

1-Octadecene : EL50: > 1.000 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 202  
Information given is based on data obtained from similar substances.

**Toxicity to algae**

1-Octadecene : EC50: > 1.000 mg/l  
Exposure time: 72 h  
Species: Raphidocellus subcapitata (algae)  
Method: OECD Test Guideline 201  
Information given is based on data obtained from similar substances.

**Toxicity to bacteria**

1-Octadecene : NOEC: 3 mg/l  
Exposure time: 120 h  
Respiration inhibition

**Biodegradability**

1-Octadecene : This material is expected to be readily biodegradable.  
Information given is based on data obtained from similar substances.

**Ecotoxicology Assessment****Results of PBT assessment**

1-Octadecene : Non-classified PBT substance, Non-classified vPvB substance

**Additional ecological information**

: No data available



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**SECTION 13: Disposal considerations**

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

A quantitative risk assessment is not required for the environment.  
A quantitative risk assessment is not required for human health.

**SECTION 14: Transport information**

**The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

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**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**  
 NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**SECTION 15: Regulatory information****National legislation****Chemical Safety Assessment**

**Ingredients** : octadec-1-ene A Chemical Safety Assessment 204-012-9 has been carried out for this substance.

**Major Accident Hazard Legislation** : 96/82/EC Update: 2003  
 Directive 96/82/EC does not apply

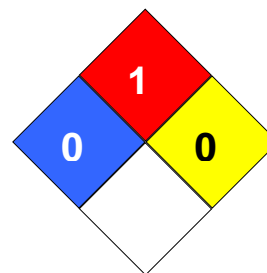
**Water contaminating class (Germany)** : nwg not water endangering

**Notification status**

Europe REACH : On the inventory, or in compliance with the inventory  
 United States of America (USA) TSCA : On the inventory, or in compliance with the inventory  
 Canada DSL : On the inventory, or in compliance with the inventory  
 Australia AICS : On the inventory, or in compliance with the inventory  
 New Zealand NZIoC : On the inventory, or in compliance with the inventory  
 Japan ENCS : On the inventory, or in compliance with the inventory  
 Korea KECI : On the inventory, or in compliance with the inventory  
 Philippines PICCS : On the inventory, or in compliance with the inventory  
 China IECSC : On the inventory, or in compliance with the inventory

**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 0  
 Fire Hazard: 1  
 Reactivity Hazard: 0

**Further information**

Legacy SDS Number : QCHEM015

