

**AlphaPlus® C14-16-18**

Version 1.8

Revision Date 2026-04-27

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

Product Name : AlphaPlus® C14-16-18
Material : 1133968, 1127192, 1119127, 1071132, 1037029, 1037013,
1037028, 1037014, 1037012
Use : Solvent
Uses advised against :
This material should not be used for purposes other than the identified uses in section 1 without expert advice.

Company : Chevron Phillips Chemical Company LP
9500 Lakeside Blvd.
The Woodlands, TX 77381

Emergency telephone:**Health:**

866.442.9628 (North America)

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

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

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

Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)

Belgium: 070 245 245 (24 hours/day, 7 days/week)

Bulgaria: +359 2 9154 233

Croatia: +3851 2348 342 (24 hours/day, 7 days/week)

Cyprus: 1401

Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402

Denmark: Danish Poison Center (Gifftinjen): +45 8212 1212

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

Finland: 0800 147 111 09 471 977 (24 hours/day)

France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)

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

Greece: (0030) 2107793777 (24 hours/day, 7 days/week)

Hungary: +36-80-201-199 (24 hours/day, 7 days/week)

Iceland: 543 2222 (24 hours/day, 7 days/week)

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

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

Italy: POISON CENTER MILAN – Azienda Ospedaliera Niguarda Ca` Grande Tel. +39 02 66101029; POISON CENTER ROME – Policlinico “Agostino Gemelli”, Servizio di tossicologia clinica Tel. +39 06 3054343; POISON CENTER ROME – Ospedale Pediatrico Bambino Gesù Tel. +39 06 68593726; POISON CENTER ROME – Policlinico “Umberto I” Tel. +39 06 4997 8000; POISON CENTER FOGGIA – Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326; POISON CENTER NAPLES – Azienda Ospedaliera “Antonio Cardarelli” Tel. +39 081 7472870; POISON CENTER FLORENCE – Azienda Ospedaliera universitaria Careggi Tel. +39 055 7947819; POISON CENTER PAVIA – IRCCS Fondazione Salvatore Maugeri Tel. +39 0382 24444; POISON CENTER BERGAMO – Azienda Ospedaliera “Papa Giovanni XXIII” Tel. 800 883 300; POISON CENTER VERONA – Azienda Ospedaliera Universitaria integrata Tel. 800 011 858;

Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.)

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

Lithuania: +370 (85) 2362052

Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)

Malta: +356 2395 2000

The Netherlands: NVIC: +31 (0)88 755 8000

Norway: 22 59 13 00 (24 hours/day, 7 days/week)

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

Portugal: CIAV phone number: +351 800 250 250

Romania: +40213183606

Slovakia: +421 2 5477 4166

Slovenia: Phone number: 112

Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)

Sweden: 112 – ask for Poisons Information

Organization that prepared the SDS : 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**

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

Classification

: Aspiration hazard, Category 1

Labeling

Symbol(s) :



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.

P331 Do NOT induce vomiting.

Storage:

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

P405 Store locked up.

Disposal:

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

Carcinogenicity:**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3: Composition/information on ingredients

Synonyms : C14/C16/C18 Normal Alpha Olefin (NAO) Blend

Molecular formula : Mixture

Component	CAS-No.	Weight %
1-Tetradecene	1120-36-1	15 - 60
1-Hexadecene	629-73-2	20 - 50
1-Octadecene	112-88-9	10 - 40

SECTION 4: First aid measures

General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.

If inhaled : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

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. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

Notes to physician

Treatment : Treat symptomatically.

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

SECTION 5: Firefighting measures

Flash point	:	124°C (255°F) Method: Cleveland Open Cup
Autoignition temperature	:	228°C (442°F)
Unsuitable extinguishing media	:	High volume water jet.
Specific hazards during fire fighting	:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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 protection	:	Normal measures for preventive fire protection.

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.

SECTION 7: Handling and storage**Handling**

Advice on safe handling	:	Do not breathe vapors/dust. Avoid contact with skin and eyes. 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.
---	---	--

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

Uses advised against : This material should not be used for purposes other than the identified uses in section 1 without expert advice.

Use : Solvent

SECTION 8: Exposure controls/personal protection**Engineering measures**

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

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

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.

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

SDS Number:100000012022

5/17

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

Appearance

Form : liquid
Physical state : liquid
Color : Colorless
Odor : Odorless

Safety data

Flash point : 124°C (255°F)
Method: Cleveland Open Cup

Lower explosion limit : 0.5 %(V)

Upper explosion limit : 5.9 %(V)

Oxidizing properties : no

Autoignition temperature : 228°C (442°F)

Molecular formula : Mixture

Molecular weight : Not applicable

pH : Not applicable

Freezing point : 15°C (59°F)

Boiling point/boiling range : >250°C (>482°F)

Vapor pressure : < 0.01 MMHG
at 20°C (68°F)

Relative density : 0.77
at 25 °C (77 °F)

Water solubility : Soluble in hydrocarbon solvents; insoluble in water.

Viscosity, kinematic : 2 - 3 cSt
at 40°C (104°F)

Relative vapor density : 7.7
(Air = 1.0)

SECTION 10: Stability and reactivity

Reactivity : Stable under recommended storage conditions.

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

Possibility of hazardous reactions

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

Hazardous reactions	: Further information: No decomposition if stored and applied as directed.
Conditions to avoid	: No data available.
Materials to avoid	: No data available.
Other data	: No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

AlphaPlus® C14-16-18 Acute oral toxicity	: LD50 Oral: > 5,000 mg/kg Species: Rat Method: Acute toxicity estimate
AlphaPlus® C14-16-18 Acute inhalation toxicity	: Not classified due to data which are conclusive although insufficient for classification.
AlphaPlus® C14-16-18 Acute dermal toxicity	: LD50 Dermal: > 2,000 mg/kg Species: Rabbit Method: Acute toxicity estimate
AlphaPlus® C14-16-18 Skin irritation	: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.
AlphaPlus® C14-16-18 Eye irritation	: No eye irritation. Information refers to the main ingredient. Vapors may cause irritation to the eyes, respiratory system and the skin.
AlphaPlus® C14-16-18 Sensitization	: Contains no substance or substances classified as sensitizing.
Repeated dose toxicity	
1-Hexadecene	: Species: Rat, Male and female Sex: Male and female Application Route: oral gavage Dose: 100, 500, or 1000 mg/kg/day Exposure time: 42- 51 days Number of exposures: Daily NOEL: 1000 mg/kg bw/day Method: OECD Guideline 422 Information given is based on data obtained from similar substances.

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

Species: Rat, male
 Sex: male
 Application Route: oral gavage
 Dose: 10, 101, 1010, 3365 mg/kg/day
 Exposure time: 4 weeks
 Number of exposures: 7 days/week
 NOEL: 101 mg/kg bw/day
 Method: OECD Test Guideline 407
 Target Organs: Stomach
 Information given is based on data obtained from similar substances.

Species: Rat, female
 Sex: female
 Application Route: oral gavage
 Dose: 10, 101, 1010, 3365 mg/kg/day
 Exposure time: 4 weeks
 Number of exposures: 7 days/week
 NOEL: 1010 mg/kg bw/day
 Method: OECD Test Guideline 407
 Information given is based on data obtained from similar substances.

Species: Rat, Male and female
 Sex: Male and female
 Application Route: oral gavage
 Dose: 100, 500, 1000 mg/kg/day
 Exposure time: 13 weeks
 Number of exposures: 7 days/week
 NOEL: 1000 mg/kg bw/day
 Information given is based on data obtained from similar substances.

Species: Rat, Male and female
 Sex: Male and female
 Application Route: Inhalation
 Dose: 300, 1000, 3000 ppm
 Exposure time: 13 weeks
 Number of exposures: 6 hrs/day, 5 days/week
 NOEL: 3000 ppm
 Information given is based on data obtained from similar substances.

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.

Genotoxicity in vitro

1-Tetradecene

: Test Type: Ames test
 Metabolic activation: with and without metabolic activation
 Method: Mutagenicity (Escherichia coli - reverse mutation assay)
 Result: negative

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

	<p>Test Type: Mammalian cell gene mutation assay Metabolic activation: with and without metabolic activation Method: OECD Guideline 476 Result: negative</p>
	<p>Test Type: Chromosome aberration test in vitro Method: OECD Guideline 473 Result: negative</p>
1-Hexadecene	<p>Test Type: Ames test Metabolic activation: with and without metabolic activation Result: negative</p>
	<p>Test Type: Mammalian cell gene mutation assay Metabolic activation: with and without metabolic activation Result: negative</p>
	<p>Test Type: Chromosome aberration test in vitro Result: negative</p>
1-Octadecene	<p>Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative</p>
	<p>Test Type: Chromosome aberration test in vitro Test system: rodent hepatocytes Method: OECD Test Guideline 473 Result: negative</p>

Genotoxicity in vivo

1-Tetradecene	: Test Type: Micronucleus test Species: Mouse Method: Mutagenicity (micronucleus test) Result: negative
1-Hexadecene	Test Type: Micronucleus test Species: Mouse Dose: 1,000, 10,000, 25,000 ppm Result: negative

Reproductive toxicity

1-Tetradecene	: Species: Rat Sex: male Application Route: Oral diet Dose: 0, 100, 500, 1000 mg/kg Exposure time: 43-47 days Method: OECD Guideline 422 NOAEL Parent: 1,000 mg/kg NOAEL F1: 1,000 mg/kg
---------------	---

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

	<p>Species: Rat Sex: female Application Route: Oral diet Dose: 0, 100, 500, 1000 mg/kg Exposure time: 46-47 days Method: OECD Guideline 422 NOAEL Parent: 1,000 mg/kg NOAEL F1: 1,000 mg/kg</p>
1-Hexadecene	<p>Species: Rat Sex: female Application Route: oral gavage Dose: 100, 500, 1000 mg/kg/day Number of exposures: Daily Test period: 41 to 55 days Method: OECD Guideline 421 NOAEL Parent: 1000 mg/kg bw/day NOAEL F1: 1000 mg/kg bw/day Information given is based on data obtained from similar substances.</p> <p>Species: Rat Sex: male and female Application Route: oral gavage Dose: 100, 500, 1000 mg/kg/day Number of exposures: Daily Test period: 42- 51days Method: OECD Guideline 422 NOAEL Parent: 1000 mg/kg bwday NOAEL F1: 1000 mg/kg bw/day Information given is based on data obtained from similar substances.</p>
1-Octadecene	<p>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.</p>
AlphaPlus® C14-16-18	
Aspiration toxicity	: May be fatal if swallowed and enters airways.
CMR effects	
1-Tetradecene	: Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Reproductive toxicity: No toxicity to reproduction
1-Hexadecene	Carcinogenicity: Not classifiable as a human carcinogen. Mutagenicity: Did not show mutagenic effects in animal experiments. Teratogenicity: Did not show teratogenic effects in animal experiments. Reproductive toxicity: No toxicity to reproduction

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

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

AlphaPlus® C14-16-18**Further information** : Solvents may degrease the skin.**SECTION 12: Ecological information****Ecotoxicity effects****Toxicity to fish**

1-Tetradecene

: LL50: > 1,000 mg/l
 Exposure time: 96 h
 Species: Oncorhynchus mykiss (rainbow trout)
 semi-static test Test substance: yes
 Method: OECD Test Guideline 203
 The product has low solubility in the test medium. An aqueous dispersion was tested.

1-Hexadecene

LL50: > 1000 mg/L
 Exposure time: 96 h
 Species: Oncorhynchus mykiss (rainbow trout)
 Method: OECD Test Guideline 203
 The product has low solubility in the test medium. An aqueous dispersion was tested.

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-Tetradecene

: EL50: > 1,000 mg/l
 Exposure time: 48 h
 Species: Daphnia magna (Water flea)
 Test substance: yes
 Method: OECD Test Guideline 202
 The product has low solubility in the test medium. An aqueous dispersion was tested.

1-Hexadecene

EL50: < 1000 mg/L
 Exposure time: 48 h
 Species: Daphnia magna (Water flea)
 static test Method: OECD Test Guideline 202
 The product has low solubility in the test medium. An aqueous dispersion was tested.

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

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

substances.

Toxicity to algae

1-Tetradecene : EL50: > 1,000 mg/l
 Exposure time: 96 h
 Species: Selenastrum capricornutum (algae)
 static test Test substance: yes
 Method: OECD Test Guideline 201
 The product has low solubility in the test medium. An aqueous dispersion was tested.

1-Hexadecene EC50: > 1000 mg/L
 Exposure time: 72 h
 Species: Selenastrum capricornutum (algae)
 static test Method: OECD Test Guideline 201
 The product has low solubility in the test medium. An aqueous dispersion was tested.

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 : This material is expected to be readily biodegradable.
 Information refers to the main ingredient.

Elimination information (persistence and degradability)

Bioaccumulation : No data available

Mobility : No data available

Results of PBT assessment

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

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

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

Additional ecological information : No data available

Ecotoxicology Assessment

Short-term (acute) aquatic : This material is not expected to be harmful to aquatic

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

hazard	organisms.
Long-term (chronic) aquatic hazard	: This material is not expected to be harmful to aquatic organisms.

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.
------------------------	---

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

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

TRANSPORTATION BY THIS AGENCY.

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.

Other information	: OLEFINS (C13 +, all isomers), S.T. 2, Cat.Y
--------------------------	--

Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information**National legislation**

SARA 311/312 Hazards : Aspiration hazard

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.

SARA 302 Threshold Planning Quantity : This material does not contain any components with a section 302 EHS TPQ.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

US State Regulations**Massachusetts Right To Know**

: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

: 1-Tetradecene - 1120-36-1
1-Hexadecene - 629-73-2
1-Octadecene - 112-88-9

Notification status

Europe EU REACH	:	This mixture contains only ingredients which have been registered according to Regulation (EU) No. 1907/2006 (REACH).
Switzerland CH INV	:	On the inventory, or in compliance with the inventory
United States of America (USA) TSCA	:	All substances listed as active on the TSCA inventory
Canada DSL	:	All components of this product are on the Canadian DSL
Australia AU AIC	:	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
Japan ISHL	:	On the inventory, or in compliance with the inventory
Korea KECI	:	A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations.
Korea KECI	:	A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations.
Philippines PICCS	:	On the inventory, or in compliance with the inventory
China IECSC	:	On the inventory, or in compliance with the inventory
Taiwan TW TCSI	:	On the inventory, or in compliance with the inventory

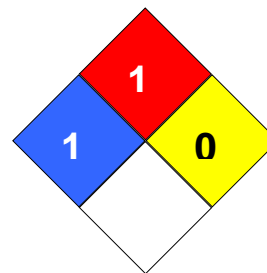
AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

SECTION 16: Other information

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



Revision Date : 2026-04-27
Date of last issue : 2022-04-21

Print Date : 2026-05-07

Further information

Legacy SDS Number : 6855

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act

AlphaPlus® C14-16-18

Version 1.8

Revision Date 2026-04-27

>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%	ATE	Acute toxicity estimate