

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

According to Regulation (EC) No. 1907/2006, Regulation (EC) No. 2020/878

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

1.1 Product identifier

Product information

Product Name : AlphaPlus® C24-28

Material : 1083881, 1037065, 1037066, 1037067, 1036986, 1037068

EC-No.Registration number

Chemical name	CAS-No.	Legal Entity
	EC-No.	Registration number
	Index No.	
Alpha Olefin Fraction,	93924-11-9	Chevron Phillips Chemical Company LP
C24-28	300-203-7	01-2119485392-33-0000

1.2

Relevant identified uses of the substance or mixture and uses advised against

Relevant Identified Uses : Manufacture

Supported Use as an intermediate

Formulation

Other consumer uses

1.3

Details of the supplier of the safety data sheet

Company : Chevron Phillips Chemical Company LP

Normal Alpha Olefins (NAO) 10001 Six Pines Drive The Woodlands, TX 77380

Local : Chevron Phillips Chemicals International N.V.

Airport Plaza (Stockholm Building)

Leonardo Da Vincilaan 19

1831 Diegem Belgium

SDS Requests: (800) 852-5530

Responsible Party: Product Safety Group

Email:sds@cpchem.com

1.4

SDS Number:100000067879 1/19

Version 2.13 Revision Date 2023-01-26

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 (Giftlinjen): +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) Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

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

Responsible Department : Product Safety and Toxicology Group

E-mail address : SDS@CPChem.com Website : www.CPChem.com

SECTION 2: Hazards identification

2.1

Classification of the substance or mixture REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

SDS Number:100000067879 2/19

Version 2.13 Revision Date 2023-01-26

2.2

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3

Other hazards

Results of PBT and vPvB

assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative

(vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 - 3.2

Substance or Mixture

Synonyms : C24-C28 Alpha Olefin Fraction

NAO 24-28

Molecular formula : UVCB

Hazardous ingredients

Chemical name	CAS-No.	Classification	Concentration	Specific Conc.
	EC-No.	(REGULATION (EC)	[wt%]	Limits, M-factors
	Index No.	No 1272/2008)		and ATEs
Alpha Olefin Fraction,	93924-11-9		100	
C24-28	300-203-7			

Contains no hazardous ingredients according to GHS. :

SECTION 4: First aid measures

4.1

Description of first-aid measures

General advice : No hazards which require special first aid measures.

If inhaled : If unconscious, place in recovery position and seek medical

advice. If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses. Protect unharmed eye. If eye

irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear. Do not give milk or alcoholic

beverages. Never give anything by mouth to an unconscious

person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed Notes to physician

notes to physician

Symptoms : No data available.

Risks : No data available.

4.3 Indication of any immediate medical attention and special treatment needed

SDS Number:100000067879 3/19

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

Treatment : No data available.

SECTION 5: Firefighting measures

Flash point 218°C (424°F)

Method: PMCC

Autoignition temperature 249°C (480°F)

5.1

Extinguishing media

Suitable extinguishing : Use water spray, alcohol-resistant foam, dry chemical or

media carbon dioxide.

5.2

Special hazards arising from the substance or mixture

Specific hazards during fire : Do not use a solid water stream as it may scatter and spread fighting

fire. Cool closed containers exposed to fire with water spray.

5.3

Advice for firefighters

equipment for fire-fighters

Special protective : 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

: Provide appropriate exhaust ventilation at places where dust is

surrounding environment.

Fire and explosion

protection formed.

SECTION 6: Accidental release measures

6.1

Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2

Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3

Methods and materials for containment and cleaning up

Methods for cleaning up : Pick up and arrange disposal without creating dust. Sweep up

and shovel. Keep in suitable, closed containers for disposal.

6.4

Reference to other sections

Reference to other sections : For personal protection see section 8. For disposal

considerations see section 13.

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

SDS Number:100000067879 4/19

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

SECTION 7: Handling and storage

7.1

Precautions for safe handling Handling

Advice on safe handling : For personal protection see section 8. Smoking, eating and

drinking should be prohibited in the application area.

Advice on protection against fire and explosion

: Provide appropriate exhaust ventilation at places where dust is

formed.

7.2

Conditions for safe storage, including any incompatibilities

Storage

Requirements for storage areas and containers

: Electrical installations / working materials must comply with the

technological safety standards.

Advice on common storage : No materials to be especially mentioned.

SECTION 8: Exposure controls/personal protection

8.1

Control parameters

PNEC : Fresh water

Value: 0,001 mg/l

PNEC : Marine water

Value: 0,001 mg/l

8.2

Exposure controls Engineering measures

Adequate ventilation to control airborned 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 Organic Vapors, Dusts and Mists. A positive

SDS Number:100000067879 5/19

Version 2.13 Revision Date 2023-01-26

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. Safety glasses.

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:. Lightweight

protective clothing.

Hygiene measures : General industrial hygiene practice.

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

9.1

Information on basic physical and chemical properties

Appearance

Form : Wax., solid
Physical state : solid
Color : White
Odor : no odor

Safety data

Flash point : 218°C (424°F)

Method: PMCC

Lower explosion limit : No data available

Upper explosion limit : No data available

Oxidizing properties : no

Autoignition temperature : 249°C (480°F)

Molecular formula : UVCB

Molecular weight : Varies

pH : Not applicable

Melting point/range : 63°C (145°F)

Method: ASTM D-87

SDS Number:100000067879 6/19

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

Boiling point/boiling range : 390-430°C (734-806°F)

Vapor pressure : < 0,01 kPa

at 65°C (149°F)

Relative density : 0,82

at 15,6 °C (60,1 °F)

Density : 821 kg/m3

at 15°C (59°F)

799 kg/m3 at 50°C (122°F)

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

Partition coefficient: n-

octanol/water

: No data available

Viscosity, kinematic : 2,5 cSt

at 98,9°C (210,0°F)

Relative vapor density : 0,82

at 15,6°C (60,1°F)

Evaporation rate : Not applicable

SECTION 10: Stability and reactivity

10.1

Reactivity : Stable at normal ambient temperature and pressure.

10.2

Chemical stability : This material is considered stable under normal ambient and

anticipated storage and handling conditions of temperature

and pressure.

10.3

Possibility of hazardous reactions

Hazardous reactions : Further information: Stable under recommended storage

conditions., No hazards to be specially mentioned.

10.4

Conditions to avoid : No data available.

10.5

Materials to avoid : No data available.

10.6

Other data : No decomposition if stored and applied as directed.

SDS Number:100000067879 7/19

Version 2.13 Revision Date 2023-01-26

SECTION 11: Toxicological information

11.1

Information on toxicological effects

Acute oral toxicity

Alpha Olefin Fraction, C24-

: LD50: >2020 mg/kg Species: Rat

28

Information given is based on data obtained from similar

substances.

Acute inhalation toxicity

Alpha Olefin Fraction, C24-

: Not classified

28

Based on data from similar materials

Acute dermal toxicity

Alpha Olefin Fraction, C24-

28

: LD50: > 2020 mg/kg

Species: Rabbit

Method: OECD Test Guideline 402

Information given is based on data obtained from similar

substances.

Skin irritation

Alpha Olefin Fraction, C24-

28

: No skin irritation

Information given is based on data obtained from similar

substances.

Eye irritation

Alpha Olefin Fraction, C24-

28

: No eye irritation

Information given is based on data obtained from similar

substances.

Sensitization

Alpha Olefin Fraction, C24-

28

: Did not cause sensitization on laboratory animals.

Information given is based on data obtained from similar

substances.

Repeated dose toxicity

Alpha Olefin Fraction, C24-

28

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 d/wk NOEL: 1000 mg/kg bw/day

SDS Number:100000067879

Version 2.13 Revision Date 2023-01-26

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/d, 5 d/wk

NOEL: 3000 ppm

Genotoxicity in vitro

Alpha Olefin Fraction, C24-28

: Test Type: E. Coli bacterial reverse mutation assay Metabolic activation: with and without metabolic activation Method: Mutagenicity (Escherichia coli - reverse mutation

assay)

Result: negative

Test Type: E. Coli bacterial reverse mutation assay Metabolic activation: with and without metabolic activation Method: Mutagenicity (Escherichia coli - reverse mutation

assay)

Result: negative

Test Type: Mammalian cell gene mutation assay

Metabolic activation: with and without metabolic activation

Method: OECD Guideline 476

Result: negative

Test Type: Mouse lymphoma assay

Metabolic activation: with and without metabolic activation

Method: OECD Guideline 476

Result: negative

Test Type: Chromosome aberration test in vitro

Method: OECD Guideline 473

Result: negative

Test Type: Chromosome aberration test in vitro

Method: OECD Guideline 473

Result: negative

Genotoxicity in vivo

SDS Number:100000067879

Version 2.13 Revision Date 2023-01-26

Alpha Olefin Fraction, C24-

28

Test Type: Mouse micronucleus assay

Species: Mouse

Dose: 500, 1000, 2000 mg/kg

Method: Mutagenicity (micronucleus test)

Result: negative

Test Type: Mouse micronucleus assay

Species: Mouse

Dose: 1000, 10000, 25000 ppm

Method: Mutagenicity (micronucleus test)

Result: negative

Test Type: Mouse micronucleus assay Dose: 1000, 10000, 25000 ppm

Method: Mutagenicity (micronucleus test)

Result: negative

Reproductive toxicity

Alpha Olefin Fraction, C24-

28

Species: Rat

Sex: male and 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/day NOAEL F1: 1000 mg/kg/day

Species: Rat

Sex: male and female

Application Route: oral gavage Dose: 100, 500, 1000 mg/kg/day Number of exposures: Daily Test period: 42- 51 days Method: OECD Guideline 422 NOAEL Parent: 1000 mg/kg/day NOAEL F1: 1000 mg/kg/day

CMR effects

Alpha Olefin Fraction, C24-

28

: Carcinogenicity: Not available

Mutagenicity: Weight of evidence does not support

classification as a germ cell mutagen.

Teratogenicity: Not available

Reproductive toxicity: Weight of evidence does not support

classification for reproductive toxicity

11.2

Information on other hazards

AlphaPlus® C24-28

SDS Number:100000067879

10/19

Version 2.13 Revision Date 2023-01-26

Further information

Endocrine disrupting

properties

: No data available.

The substance/mixture does not contain components considered to have endocrine disrupting properties according

to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

SECTION 12: Ecological information

12.1

Toxicity

Ecotoxicity effects Toxicity to fish

Alpha Olefin Fraction, C24-

28

: LL50: > 1000 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

Alpha Olefin Fraction, C24-

28

: EL100: 1000 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

Alpha Olefin Fraction, C24-

28

: EL50: >1000 mg/l Exposure time: 72 h

Species: Selenastrum capricornutum (algae)

Method: OECD Test Guideline 201

Information given is based on data obtained from similar

substances.

12.2

Persistence and degradability

Biodegradability

Alpha Olefin Fraction, C24- : This material is not expected to be readily biodegradable.

12.3

Bioaccumulative potential

Elimination information (persistence and degradability)

Bioaccumulation : This material is not expected to bioaccumulate.

12.4

Mobility in soil

SDS Number:100000067879 11/19

Version 2.13 Revision Date 2023-01-26

Mobility : No data available

12.5

Results of PBT and vPvB assessment

Results of PBT assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

12.6

Endocrine disrupting properties

Endocrine disrupting : The substance/mixture does not contain components

properties considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

12.7

Other adverse effects

Additional ecological

information

: This material is not expected to be harmful to aquatic

organisms.

No data available

12.8

Additional Information

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

: This material is not expected to be harmful to aquatic

organisms.

Long-term (chronic) aquatic

hazard

This material is not expected to be harmful to aquatic

organisms.

SECTION 13: Disposal considerations

13.1

Waste treatment methods

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.

Contaminated packaging : Empty containers should be taken to an approved waste

handling site for recycling or disposal.

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

SDS Number:100000067879 12/19

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

SECTION 14: Transport information

14.1 - 14.7

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.

When shipment is offered for transport at or above 100°C it is regulated as:

UN3257, ELEVATED TEMPERATURE LIQUID, N.O.S., (ALPHA OLEFIN FRACTION, C24-28), 9, III

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

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

When shipment is offered for transport at or above 100°C it is regulated as:

UN3257, ELEVATED TEMPERATURE LIQUID, N.O.S., (ALPHA OLEFIN FRACTION, C24-28), 9, III (218°C)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

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

When shipment is offered for transport at or above 100°C it is regulated as:

UN3257, 9: NOT PERMITTED FOR TRANSPORT

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

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

When shipment is offered for transport at or above 100°C it is regulated as:

UN3257, ELEVATED TEMPERATURE LIQUID, N.O.S., (ALPHA OLEFIN FRACTION, C24-28), 9, III, (D)

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

SDS Number:100000067879 13/19

Version 2.13 Revision Date 2023-01-26

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

When shipment is offered for transport at or above 100°C it is regulated as:

UN3257, ELEVATED TEMPERATURE LIQUID, N.O.S., (ALPHA OLEFIN FRACTION, C24-28), 9, III

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.

When shipment is offered for transport at or above 100°C it is regulated as:

UN3257, ELEVATED TEMPERATURE LIQUID, N.O.S., (ALPHA OLEFIN FRACTION, C24-28) , 9, III

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

Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1

Safety, health and environmental regulations/legislation specific for the substance or mixture National legislation

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Water hazard class : nwg not water endangering

(Germany)

15.2

Major Accident Hazard : ZEU_SEVES3 Update:

Legislation Not applicable

Notification status

Europe REACH : This product is in full compliance according to REACH

regulation 1907/2006/EC.

Switzerland CH INV : On the inventory, or in compliance with the inventory United States of America (USA) : On or in compliance with the active portion of the

TSCA TSCA inventory

Canada DSL : On the inventory, or in compliance with the inventory

Other AICS : Not in compliance with the inventory

New Zealand NZIoC : On the inventory, or in compliance with the inventory

SDS Number:100000067879 14/19

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

Japan ENCS : On the inventory, or in compliance with the inventory

Korea KECI : A substance or substances in this product is not

registered or notified to be registered. Importation or manufacture of this product is still permitted provided that it does not exceed the REACH minimum threshold

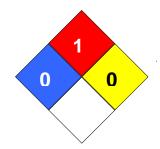
quantity of the non-regulated substances.

Philippines PICCS : On the inventory, or in compliance with the inventory China IECSC : On the inventory, or in compliance with the inventory Taiwan TCSI : 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 : PE0027

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.

1.6			
Ke	y or legend to abbreviations and a	cronyms used in	the safety data sheet
ACGIH	American Conference of	LD50	Lethal Dose 50%
	Government Industrial Hygienists		
AIIC	Australian Inventory of Industrial	LOAEL	Lowest Observed Adverse Effect
	Chemicals		Level
DSL	Canada, Domestic Substances	NFPA	National Fire Protection Agency
	List		3 ,
NDSL	Canada, Non-Domestic	NIOSH	National Institute for Occupational
	Substances List		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	OSHA	Occupational Safety & Health
	Scenario Tool		Administration
EOSCA	European Oilfield Specialty	PEL	Permissible Exposure Limit
	Chemicals Association		·
EINECS	European Inventory of Existing	PICCS	Philippines Inventory of
	Chemical Substances		Commercial Chemical Substances
MAK	Germany Maximum Concentration	PRNT	Presumed Not Toxic

SDS Number:100000067879

15/19

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

	Values		
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	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

SDS Number:100000067879 16/19

AlphaPlus® C24-28

Version 2.13 Revision Date 2023-01-26

Annex

1. Short title of Exposure Scenario: Manufacture

Sector of use : SU3: Industrial Manufacturing (all)

Process category : **PROC1:** Use in closed process, no likelihood of exposure

PROC2: Use in closed, continuous process with occasional

controlled exposure

PROC3: Use in closed batch process (synthesis or

formulation)

PROC4: Use in batch and other process (synthesis) where

opportunity for exposure arises

PROC8a: Transfer of substance or preparation (charging/discharging) from/ to vessels/large containers at non-

dedicated facilities

PROC8b: Transfer of substance or preparation (charging/discharging) from/ to vessels/ large containers at dedicated

facilities

PROC15: Use as laboratory reagent

Environmental release category : **ERC1**, **ERC4**: Manufacture of substances, Industrial use of

processing aids in processes and products, not becoming part

of articles

3. Exposure estimation and reference to its source

Remarks: Not applicable

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

Not applicable

1. Short title of Exposure Scenario: Use as an intermediate

Sector of use : SU3: Industrial Manufacturing (all)

Process category : **PROC1:** Use in closed process, no likelihood of exposure

PROC2: Use in closed, continuous process with occasional

controlled exposure

PROC3: Use in closed batch process (synthesis or

formulation)

PROC4: Use in batch and other process (synthesis) where

opportunity for exposure arises

PROC8a: Transfer of substance or preparation (charging/discharging) from/ to vessels/large containers at non-

dedicated facilities

PROC8b: Transfer of substance or preparation (charging/discharging) from/ to vessels/ large containers at dedicated

facilities

PROC15: Use as laboratory reagent

Environmental release category : **ERC6a:** Industrial use resulting in manufacture of another

substance (use of intermediates)

SDS Number:100000067879 17/19

Version 2.13 Revision Date 2023-01-26

3. Exposure estimation and reference to its source

Remarks: Not applicable

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

Not applicable

1. Short title of Exposure Scenario: Formulation

Sector of use : SU3: Industrial Manufacturing (all)

Process category : **PROC1:** Use in closed process, no likelihood of exposure

PROC2: Use in closed, continuous process with occasional

controlled exposure

PROC3: Use in closed batch process (synthesis or

formulation)

PROC4: Use in batch and other process (synthesis) where

opportunity for exposure arises

PROC5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/ or significant

contact)

PROC8a: Transfer of substance or preparation (charging/discharging) from/ to vessels/ large containers at non-

dedicated facilities

PROC8b: Transfer of substance or preparation (charging/discharging) from/ to vessels/ large containers at dedicated

facilities

PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC14: Production of preparations or articles by tabletting,

compression, extrusion, pelletization **PROC15:** Use as laboratory reagent

Environmental release category : **ERC2**: Formulation of preparations

3. Exposure estimation and reference to its source

Remarks: Not applicable

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

Not applicable

1. Short title of Exposure Scenario: Other consumer uses

Sector of use : SU 21: Consumer uses: Private households (= general public

= consumers)

Product category : **PC31:** Polishes and wax blends

SDS Number:100000067879 18/19

Alacka Divas CO4 CO	SAFETY DATA SHEET
AlphaPlus® C24-28	
Version 2.13	Revision Date 2023-01-26
Environmental release category :	ERC8a, ERC8d: Wide dispersive indoor use of processing aids in open systems, Wide dispersive outdoor use of processing aids in open systems
3. Exposure estimation and referen	ce to its source
Remarks: Not applicable	
4. Guidance to Downstream User to by the Exposure Scenario	evaluate whether he works inside the boundaries set
Not applicable	
SDS Number:100000067879	19/19
