SAFETY DATA SHEET

AlphaPlus® 1-Decene

Version 1.18

Product information		
Product Name	: AlphaPlu	IS® 1-Decene
Material		, 1095875, 1068252, 1037000, 1015428, 1036999
Company	Normal A 10001 Si	Phillips Chemical Company LP Alpha Olefins (NAO) ix Pines Drive odlands, TX 77380
Emorgonov tolonkonov	The woo	
Emergency telephone:		
Health:		
866.442.9628 (North Ar		
1.832.813.4984 (Interna Transport :	tional)	
CHEMTREC 800.424.9	300 or 703 527	3887(int'l)
		China: 0532 8388 9090
Mexico CHEMTREC 01		
South America SOS-Co	tec Inside Brazi	il: 0800.111.767 Outside Brazil: +55.19.3467.1600
Argentina: +(54)-11598		
		or +32.14583516 (telefax)
Austria: VIZ +43 1 406 4 Belgium: 070 245 245 (
Bulgaria: +359 2 9154 2		uays/week)
Croatia: +3851 2348 34		v. 7 davs/week)
Cyprus: 1401	(,) ,
		ion Center +420 224 919 293, +420 224 915 402
Denmark: Danish Poiso		
		r +32.14583516 (telefax)
Finland: 0800 147 111		(0) 1 45 42 59 59 (24 hours/day, 7 days/week)
		or +32.14583516 (telefax)
Greece: (0030) 210779		
Hungary: +36-80-201-1		
Iceland: 543 2222 (24 h		
Ireland: BIG +32.14.584	545 (nhone) or	± 32.14583516 (talafay)
Lotvio, State Fire and D	5 (phone) or +3	2.14583516 (telefax)
Poisoning and Drug Inf	5 (phone) or +3 escue Service,	
Poisoning and Drug Inf 67042473. (24 hours.)	5 (phone) or +3 escue Service, ormation Center	2.14583516 (telefax) phone number: 112; Toxicology and Sepsis Clinic r, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +
Poisoning and Drug Inf 67042473. (24 hours.)	5 (phone) or +3 escue Service, p ormation Center 14.584545 (pho	2.14583516 (telefax) phone number: 112; Toxicology and Sepsis Clinic
Poisoning and Drug Inf 67042473. (24 hours.) Liechtenstein: BIG +32.	5 (phone) or +3 escue Service, j ormation Center 14.584545 (pho 62052	2.14583516 (telefax) phone number: 112; Toxicology and Sepsis Clinic r, Hipokrāta 2, Riga, Latvia, LV-1038, phone number + one) or +32.14583516 (telefax)



SAFETY DATA SHEET

AlphaPlus® 1-Decene

Version	1.18	

ersion 1.18	Revision Date 2024-01-0
Poland: BIG +32.14.584 Portugal: CIAV phone nu Romania: +4021318360 Slovakia: +421 2 5477 4 Slovenia: Phone numbe	4 hours/day, 7 days/week) 545 (phone) or +32.14583516 (telefax) umber: +351 800 250 250 6 166 r: 112 ncy Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (2
Responsible Department E-mail address Website	 Product Safety and Toxicology Group SDS@CPChem.com www.CPChem.com
CTION 2: Hazards identifica	ation
	 tance or mixture sified in accordance with the hazard communication standard 29 CFR bels contain all the information as required by the standard. Flammable liquids, Category 3 Aspiration hazard, Category 1
Labeling	
Symbol(s)	

Signal Word	: Danger
Hazard Statements	: H226: Flammable liquid and vapor. H304: May be fatal if swallowed and enters airways.
Precautionary Statements	 Prevention: P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242	Use only non-sparking tools.	

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/ eye protection/ face protection. **Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with water/ shower.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

SDS Number:100000068089

phaPlus® 1-Decen	е		SAFETY DATA SHE
rsion 1.18			Revision Date 2024-01
	Storag P403 + P405 Dispos P501 disposa	P235 Store in a Store locked up. al: Dispose of conter	well-ventilated place. Keep cool. hts/ container to an approved waste
Carcinogenicity:			
IARC			t present at levels greater than or s probable, possible or confirmed
NTP	human ca No ingree	arcinogen by IARC dient of this produc	
CTION 3: Composition/info	ormation on ir	ngredients	
Synonyms	: Decene NAO 10 Decene (C10 H) ∋-1 (C10)	
Molecular formula	: C10H2	0	
Component 1-Decene		CAS-No. 872-05-9	Weight % 96 - 100
2-Butyl-1-Hexene		6795-79-5	1 - 5
2-Ethyl-1-Octene		51655-64-2	1 - 5
CTION 4: First aid measure	es		
General advice	sheet to	o the doctor in atte	ea. Show this material safety data ndance. Material may produce a neumonia if swallowed or vomited.
If inhaled			covery position and seek medical ist, call a physician.
In case of skin contact	: If on sk	in, rinse well with w	vater. If on clothes, remove clothes.
In case of eye contact	lenses.	Protect unharmed	a precaution. Remove contact d eye. Keep eye wide open while rsists, consult a specialist.
If swallowed	an unco		ar. Never give anything by mouth to f symptoms persist, call a physician. o hospital.
CTION 5: Firefighting meas	sures		
	: 49°C (
Flash point	. 430(120°F)	

SAFETY DATA SHEET

Version 1.18

Autoignition temperature:210°CSuitable extinguishing media:AlcohoUnsuitable extinguishing media:High volSpecific hazards during fire fighting:Do not coursesSpecial protective equipment for fire-fighters:Wear s necessFurther information:Collect must n contain contain contain contain contain containFire and explosion protection:Do not rake n (which from op	self-contained breathing apparatus for firefighting if sary. contaminated fire extinguishing water separately. This ot be discharged into drains. Fire residues and hinated fire extinguishing water must be disposed of in ance with local regulations. For safety reasons in case cans should be stored separately in closed ments. Use a water spray to cool fully closed
Suitable extinguishing media: Alcoho mediaUnsuitable extinguishing media: High vol mediaSpecific hazards during fire fighting: Do not courseSpecial protective equipment for fire-fighters: Wear s necessFurther information: Collect must n contain accord of fire, contain containFire and explosion protection: Do not rake n (which from op	I-resistant foam. Carbon dioxide (CO2). Dry chemical. blume water jet. allow run-off from fire fighting to enter drains or water s. self-contained breathing apparatus for firefighting if fary. contaminated fire extinguishing water separately. This ot be discharged into drains. Fire residues and hinated fire extinguishing water must be disposed of in ance with local regulations. For safety reasons in case cans should be stored separately in closed ments. Use a water spray to cool fully closed hers. spray on a naked flame or any incandescent material. ecessary action to avoid static electricity discharge
mediaUnsuitable extinguishing media:High vol mediaSpecific hazards during fire fighting:Do not coursesSpecial protective equipment for fire-fighters:Wear s necessFurther information:Collect must n contain accord of fire, containFire and explosion protection:Do not rake n (which from op	olume water jet. allow run-off from fire fighting to enter drains or water s. elf-contained breathing apparatus for firefighting if ary. contaminated fire extinguishing water separately. This ot be discharged into drains. Fire residues and hinated fire extinguishing water must be disposed of in ance with local regulations. For safety reasons in case cans should be stored separately in closed ments. Use a water spray to cool fully closed ments. Use a water spray to cool fully closed mers. spray on a naked flame or any incandescent material. ecessary action to avoid static electricity discharge
mediaSpecific hazards during fire fighting:Do not courseSpecial protective equipment for fire-fighters:Wear s necessFurther information:Collect must ne contain accord of fire, containFire and explosion protection:Do not Take n (which from op	allow run-off from fire fighting to enter drains or water s. eelf-contained breathing apparatus for firefighting if eary. contaminated fire extinguishing water separately. This ot be discharged into drains. Fire residues and inated fire extinguishing water must be disposed of in ance with local regulations. For safety reasons in case cans should be stored separately in closed ments. Use a water spray to cool fully closed mers. spray on a naked flame or any incandescent material. ecessary action to avoid static electricity discharge
fightingcourseSpecial protective equipment for fire-fighters:Wear s necessFurther information:Collect must n contain accord of fire, containFire and explosion protection:Do not Take n (which from op	s. self-contained breathing apparatus for firefighting if sary. contaminated fire extinguishing water separately. This ot be discharged into drains. Fire residues and hinated fire extinguishing water must be disposed of in ance with local regulations. For safety reasons in case cans should be stored separately in closed ments. Use a water spray to cool fully closed hers. spray on a naked flame or any incandescent material. ecessary action to avoid static electricity discharge
equipment for fire-fightersnecessFurther information:Collect must n contain accord of fire, containFire and explosion protection:Do not Take n (which from op	contaminated fire extinguishing water separately. This ot be discharged into drains. Fire residues and hinated fire extinguishing water must be disposed of in ance with local regulations. For safety reasons in case cans should be stored separately in closed ments. Use a water spray to cool fully closed hers. spray on a naked flame or any incandescent material. ecessary action to avoid static electricity discharge
Fire and explosion : Do not protection : Do not from op	ot be discharged into drains. Fire residues and inated fire extinguishing water must be disposed of in ance with local regulations. For safety reasons in case cans should be stored separately in closed iments. Use a water spray to cool fully closed hers. spray on a naked flame or any incandescent material. ecessary action to avoid static electricity discharge
protection Take n (which from op	ecessary action to avoid static electricity discharge
Hazardous decomposition : Carbon	ben flames, hot surfaces and sources of ignition.
products	n oxides.
ECTION 6: Accidental release measures	
ventilat	ersonal protective equipment. Ensure adequate tion. Remove all sources of ignition. Evacuate nel to safe areas. Beware of vapors accumulating to plosive concentrations. Vapors can accumulate in low
or spilla	t product from entering drains. Prevent further leakage age if safe to do so. If the product contaminates rivers ses or drains inform respective authorities.
absorb	n spillage, and then collect with non-combustible ent material, (e.g. sand, earth, diatomaceous earth, ulite) and place in container for disposal according to national regulations (see section 13).
ECTION 7: Handling and storage	
Handling	
Advice on safe handling : Avoid f person drinking	ormation of aerosol. Do not breathe vapors/dust. For al protection see section 8. Smoking, eating and g should be prohibited in the application area. Take tionary measures against static discharges. Provide

		SAFETY DATA SHEET
AlphaPlus® 1-Decene		
Version 1.18		Revision Date 2024-01-03
	drum ca	ent air exchange and/or exhaust in work rooms. Open carefully as content may be under pressure. Dispose of vater in accordance with local and national regulations.
Advice on protection against fire and explosion	Take ne (which	spray on a naked flame or any incandescent material. necessary action to avoid static electricity discharge might cause ignition of organic vapors). Keep away pen flames, hot surfaces and sources of ignition.
Storage		
Requirements for storage areas and containers	ventilate carefull Observ	oking. Keep container tightly closed in a dry and well- ted place. Containers which are opened must be lly resealed and kept upright to prevent leakage. ve label precautions. Electrical installations / working als must comply with the technological safety standards.
SECTION 8: Exposure controls	/personal pi	rotection
Ingredients with workplace	e control pa	irameters
Components	Basis	Value Control parameters Note
1-Decene	US WEEL	TWA 100 ppm,

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. 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.
S	SDS Number:100000068089	5/15

		SAFETY DATA SHEET
AlphaPlus® 1-Decene	9	
Version 1.18		Revision Date 2024-01-03
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:. Flame retardant antistatic protective clothing. Workers should wear antistatic footwear.
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

Appearance	
Form Physical state Color	: liquid : liquid : Clear, colorless
Safety data	
Flash point	: 49°C (120°F) Method: closed cup
Lower explosion limit	: 0.7 %(V)
Upper explosion limit	: 5.9 %(V)
Oxidizing properties	: no
Autoignition temperature	: 210°C (410°F)
Thermal decomposition	: No data available
Molecular formula	: C10H20
Molecular weight	: 140.3 g/mol
рН	: Not applicable
Freezing point	: -66°C (-87°F)
Pour point	No data available
Boiling point/boiling range	: 170.56°C (339.01°F)
Vapor pressure	: 0.21 kPa at 25°C (77°F)
	2.30 kPa at 65°C (149°F)
Relative density	: 0.75 at 15.6 °C (60.1 °F)

phaPlus® 1-Decene	SAFETY DATA SHE
rsion 1.18	Revision Date 2024-01-
Density	: 745 kg/m3 at 15°C (59°F)
	740 kg/m3 at 20°C (68°F)
	717 kg/m3 at 50°C (122°F)
Water solubility	: Soluble in hydrocarbon solvents; insoluble in water.
Partition coefficient: n-	: No data available
octanol/water Viscosity, kinematic	: 1.1 cSt at 20°C (68°F)
Relative vapor density	: 4.84 (Air = 1.0)
Evaporation rate	: No data available
CTION 10: Stability and reactiv	
Reactivity	: Stable at normal ambient temperature and pressure.
Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous rea	ctions
Hazardous reactions	: Hazardous reactions: Hazardous polymerization does not occur.
	Further information: No decomposition if stored and applied as directed.
Conditions to avoid	directed. Hazardous reactions: Vapors may form explosive mixture with
Conditions to avoid Materials to avoid	directed. Hazardous reactions: Vapors may form explosive mixture with air.
	 directed. Hazardous reactions: Vapors may form explosive mixture with air. Heat, flames and sparks. May react with oxygen and strong oxidizing agents, such as
Materials to avoid	 directed. Hazardous reactions: Vapors may form explosive mixture with air. Heat, flames and sparks. May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Materials to avoid Thermal decomposition Hazardous decomposition	 directed. Hazardous reactions: Vapors may form explosive mixture with air. Heat, flames and sparks. May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc. No data available

Version 1.18

TION 11: Toxicological info	ormation
AlphaPlus® 1-Decene Acute oral toxicity	: Acute toxicity estimate: 2,604 mg/kg Method: Calculation method
Acute inhalation toxicity	
1-Decene	 LC50: > 2.1 mg/l Exposure time: 4 h Species: Rat Sex: male and female Test atmosphere: vapor Method: OECD Test Guideline 403 Information given is based on data obtained from similar substances. Not classified due to data which are conclusive although insufficient for classification.
AlphaPlus® 1-Decene Acute dermal toxicity	: Acute toxicity estimate: 2,577 mg/kg Method: Calculation method
Skin irritation	
1-Decene	: 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-Decene	: No eye irritation
Sensitization	
1-Decene	: Did not cause sensitization on laboratory animals. Information given is based on data obtained from similar substances.
Repeated dose toxicity	
1-Decene	 Species: Rat, Male and female Sex: Male and female Application Route: Oral Dose: 0, 100, 500, 1000 mg/kg Exposure time: 13 wks Number of exposures: 7 d/wk NOEL: 1,000 mg/kg Method: OCED Guideline 408 Information given is based on data obtained from similar substances.
Number:100000068089	8/15

haPlus® 1-Decene	
sion 1.18	Revision Date 2024-0
	Species: Rat, Male and female Sex: Male and female Application Route: Inhalation Dose: 0, 300, 1000, 3000 ppm Exposure time: 13 wks Number of exposures: 6 hr/d, 5 d/wk NOEL: 3000 ppm Method: OECD Guideline 413 Information given is based on data obtained from similar substances.
Genotoxicity in vitro	
1-Decene	: Test Type: Ames test 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: Chromosome aberration test in vitro Metabolic activation: with and without metabolic activation Method: OECD Guideline 473 Result: negative
Genotoxicity in vivo	
1-Decene	: Test Type: Micronucleus test Species: Mouse Method: Mutagenicity (micronucleus test) Result: negative
Reproductive toxicity	
1-Decene	 Species: Rat Sex: male Application Route: Oral diet Dose: 0, 100, 500, 1000 mg/kg Method: OECD Guideline 421 NOAEL Parent: 1,000 mg/kg NOAEL F1: 1,000 mg/kg
AlphaPlus® 1-Decene 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-Decene	 Carcinogenicity: Not available Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Teratogenicity: Animal testing did not show any effects on

IphaPlus® 1-Decene	SAFETY DATA SHEE
ersion 1.18	 Revision Date 2024-01-0
	fetal development. Reproductive toxicity: Animal testing did not show any effects on fertility.
AlphaPlus® 1-Decene Further information	: Solvents may degrease the skin.
ECTION 12: Ecological inforr	nation
Toxicity to fish	
1-Decene	: LC50: 0.12 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) semi-static test Method: OECD Test Guideline 203 Information given is based on data obtained from similar substances.
Toxicity to daphnia and o	ther aquatic invertebrates
1-Decene	: EC50: 0.56 - 1 mg/l Exposure time: 48 h Species: Daphnia Method: OECD Test Guideline 202
Toxicity to algae	
1-Decene	: EC50: 1 - 1.8 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (microalgae) Method: OECD Test Guideline 201
M-Factor	
dec-1-ene	: M-Factor (Acute Aquat. Tox.) 1 M-Factor (Chron. Aquat. Tox.) 1
Toxicity to daphnia and o	ther aquatic invertebrates (Chronic toxicity)
1-Decene	 NOEC: 0.0194 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Analytical monitoring: yes Test substance: yes Method: OECD Test Guideline 211
Biodegradability	: This material is expected to be readily biodegradable.
Elimination information (per	sistence and degradability)
Bioaccumulation	
DS Number:100000068089	10/15

	SAFETY DATA SH	IEET
AlphaPlus® 1-Decene		
Version 1.18	Revision Date 2024-0)1-03
1-Decene	: No data available	
Mobility		
1-Decene	: No data available	
Results of PBT assessment 1-Decene	: Non-classified PBT substance, Non-classified vPvB substance	е
Additional ecological information	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.	
Ecotoxicology Assessmer	it	
Short-term (acute) aquatic h 1-Decene	azard : Very toxic to aquatic life.	
Long-term (chronic) aquatic 1-Decene	hazard : Very toxic to aquatic life with long lasting effects.	
SECTION 13: Disposal conside	rations	
The information in this SDS	pertains only to the product as shipped.	
Use material for its intended may meet the criteria of a ha other State and local regulat regulated components may	purpose or recycle if possible. This material, if it must be discarded azardous waste as defined by US EPA under RCRA (40 CFR 261) o tions. Measurement of certain physical properties and analysis for be necessary to make a correct determination. If this material is aste, federal law requires disposal at a licensed hazardous waste	
Product	: The product should not be allowed to enter drains, water courses or the soil. 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. Do not burn, or use a cutting torch on, the empty drum.	3
SECTION 14: Transport inform	ation	
	shown here are for bulk shipments only, and may not apply to kages (see regulatory definition).	
Goods Regulations for addit etc.) Therefore, the informa	nestic or international mode-specific and quantity-specific Dangerous ional shipping description requirements (e.g., technical name or nam tion shown here, may not always agree with the bill of lading shippin Flashpoints for the material may vary slightly between the SDS and	nes, Ig
SDS Number:100000068089	11/15	

AlphaPlus® 1-Decene			
Version 1.18	Revision Date 2024-01-03		
US DOT (UNITED STATES DE UN3295, HYDROCARBONS	PARTMENT OF TRANSPORTATION) 6, LIQUID, N.O.S., 3, III		
	MARITIME DANGEROUS GOODS) 6, LIQUID, N.O.S., 3, III, (49 °C c.c.), MARINE POLLUTANT, (1-		
IATA (INTERNATIONAL AIR T UN3295, HYDROCARBONS			
	EROUS GOODS BY ROAD (EUROPE)) 5, LIQUID, N.O.S., 3, III, (D/E), ENVIRONMENTALLY		
RID (REGULATIONS CONCER	NING THE INTERNATIONAL TRANSPORT OF		
DANGEROUS GOODS (EURO			
OF DANGEROUS GOODS BY UN3295, HYDROCARBONS DECENE) For Tank Vessels and/or Bar	S, LIQUID, N.O.S., 3, III, ÉNVIRONMENTALLY HAZARDOUS, (1-		
Other information	: Decene, S.T.2, Cat. X		
Maritime transport in bulk according to IMO instruments			
SECTION 15: Regulatory information			
National legislation			
SARA 311/312 Hazards :	Flammable (gases, aerosols, liquids, or solids) Aspiration hazard		

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

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

SDS Number:100000068089

12/15

haDlue® 1_Docono	
bhaPlus® 1-Decene	Revision Date 2024-01
SARA 302 Threshold	: This material does not contain any components with a section
Planning Quantity	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	
Potential Class	product neither contains, nor was manufactured with a Class I or II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR ubpt. A, App.A + B).
This product does not conta Act Section 112 (40 CFR 61	in any hazardous air pollutants (HAP), as defined by the U.S. Clean A).
	in any chemicals listed under the U.S. Clean Air Act Section 112(r) for ion (40 CFR 68.130, Subpart F).
This product does not conta Intermediate or Final VOC's	in any chemicals listed under the U.S. Clean Air Act Section 111 SOC (40 CFR 60.489).
JS State Regulations	
Pennsylvania Right To Knov	v : 1-Decene - 872-05-9
	2-Butyl-1-Hexene - 6795-79-5 2-Ethyl-1-Octene - 51655-64-2
California Prop. 65 Components	: This product, as shipped, does not contain any carcinogens or reproductive toxins presently known by the State of California to cause cancer or reproductive toxicity at a level of exposure subject to the requirements of California Proposition 65.
Number:100000068089	13/15

ohaPlus® 1-Decene			SAFETY DATA SHE
			Devision Data 0004.04
sion 1.18			Revision Date 2024-01
Notification status Europe REACH		oduct is in full co on 1907/2006/E	ompliance according to REACH
Switzerland CH INV United States of America (US TSCA	: On the i A) : On or in	inventory, or in	compliance with the inventory the active portion of the
Canada DSL			product are on the Canadian
Australia AIIC New Zealand NZIoC Japan ENCS Korea KECI	: On the : On the : A subst notified by CPC Importa permitte themse amount	inventory, or in inventory, or in ance(s) in this p to be registered hem according tion or manufac ed provided the lves notified the does not excee	compliance with the inventory compliance with the inventory compliance with the inventory product was not registered, d, or exempted from registration to K-REACH regulations. cture of this product is still Korean Importer of Record has e substance or the exported ed the minimum threshold istered substance(s).
Philippines PICCS Taiwan TCSI China IECSC	: On the	inventory, or in	compliance with the inventory compliance with the inventory compliance with the inventory
TION 16: Other information	: Health Hazard: Fire Hazard: 2 Reactivity Hazar		2
	Fire Hazard: 2		
	Fire Hazard: 2		
NFPA Classification	Fire Hazard: 2		
NFPA Classification Further information Legacy SDS Number Significant changes since the previous versions.	Fire Hazard: 2 Reactivity Hazar	d: 0 hlighted in the r	nargin. This version replaces all
NFPA Classification Further information Legacy SDS Number Significant changes since the previous versions. The information in this SDS p	Fire Hazard: 2 Reactivity Hazar : PE0018 last version are high ertains only to the p	d: 0 hlighted in the r roduct as shipp	margin. This version replaces all bed.
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Version 1.18

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
>=	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