# SAFETY DATA SHEET



# Synfluid® PAO 9 cSt

Version 1.10

Revision Date 2023-02-19

Product information	
Product Name Material	: Synfluid® PAO 9 cSt : 1121045, 1079853, 1079714
Company	: Chevron Phillips Chemical Company LP 10001 Six Pines Drive The Woodlands, TX 77380
Emergency telephone:	
Asia: CHEMWATCH Mexico CHEMTREC South America SOS- Argentina: +(54)-1159 EUROPE: BIG +32.14 Austria: VIZ +43 1 40 Belgium: 070 245 245 Bulgaria: +359 2 9154 Croatia: +359 2 9154 Croatia: +3851 2348 3 Cyprus: 1401 Czech Republic: Toxi Denmark: Danish Poi Estonia: BIG +32.14.5 Finland: 0800 147 11 France: ORFILA num Germany: BIG +32.14	rnational) 4.9300 or 703.527.3887(int'l) (+612 9186 1132) China: 0532 8388 9090 01-800-681-9531 (24 hours) Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 9839431 4.584545 (phone) or +32.14583516 (telefax) 16 43 43 (24 hours/day, 7 days/week) 5 (24 hours/day, 7 days/week)

Synfluid® PAO 9 cSt	SAFETY DATA SHEET
Version 1.10	Revision Date 2023-02-19
Malta: +356 2395 2000 The Netherlands: NVIC: +3 Norway: 22 59 13 00 (24 ho Poland: BIG +32.14.584545 Portugal: CIAV phone numb Romania: +40213183606 Slovakia: +421 2 5477 4166 Slovenia: Phone number: 1	ours/day, 7 days/week) 5 (phone) or +32.14583516 (telefax) ber: +351 800 250 250 6 12 Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24
E-mail address	Product Safety and Toxicology Group SDS@CPChem.com www.CPChem.com
<b>SECTION 2: Hazards identification</b>	n
	ed in accordance with the hazard communication standard 29 CFR s contain all the information as required by the standard.
Not a hazardous substance or	mixture.
Carcinogenicity:	
IARC NTP	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. 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/informa	tion on ingredients
Synonyms :	PAO Polyalphaolefin
Molecular formula :	UVCB
No hazardous ingredients	
SECTION 4: First aid measures	
	No hazards which require special first aid measures.
SDS Number:100000014080	2/12

nfluid® PAO 9 cSt		SAFETY DATA SH	
sion 1.10		Revision Date 2023-0	
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. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.	
TION 5: Firefighting measu	res		
Flash point	:	246-271°C (475-520°F) Method: Cleveland Open Cup	
Autoignition temperature	:	351°C (664°F)	
Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.	
Specific hazards during fire fighting	:	Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray.	
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.	
Hazardous decomposition products	:	Carbon oxides.	
TION 6: Accidental release	me	asures	
Personal precautions	:	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.	
Environmental precautions	:	No special environmental precautions required.	
Methods for cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.	
TION 7: Handling and stora	ge		
Handling			
Advice on safe handling	:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.	
Number:100000014080		3/12	

		SAFETY DATA SHEET
Synfluid® PAO 9 cSt		
Version 1.10		Revision Date 2023-02-19
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
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**

### **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.
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 according to the amount and concentration of the substance and the task performed at the work place. Appropriate PPE may include:. Lightweight protective clothing.
Hygiene measures	:	General industrial hygiene practice.

# **SECTION 9: Physical and chemical properties**

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

Version 1.10

	Revision Date 2023-02-1
Safety data	
Flash point	: 246-271°C (475-520°F) Method: Cleveland Open Cup
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Oxidizing properties	: no
Autoignition temperature	: 351°C (664°F)
Molecular formula	: UVCB
Molecular weight	: Not applicable
рН	: Not applicable
Pour point	: <-40°C (<-40°F)
Boiling point/boiling range	: >260°C (>500°F)
Vapor pressure	: No data available
Density	: 6.87 - 6.96 L/G
Water solubility	: Soluble in hydrocarbon solvents; insoluble in water.
Viscosity, kinematic	: 53 cSt at 40°C (104°F) Method: ASTM D 445
Relative vapor density	: No data available
Evaporation rate	: No data available
CTION 10: Stability and react	ivity
Reactivity	: Stable at normal ambient temperature and pressure.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous rea	actions
Hazardous reactions	: Further information: Stable under recommended storage conditions., No hazards to be specially mentioned.
Conditions to avoid	: No data available.
S Number:100000014080	5/12

SAFETY DATA SHEET

Revision Date 2023-02-19

nfluid® PAO 9 cSt	SAFETY DATA SHE
rsion 1.10	Revision Date 2023-02-
Materials to avoid Hazardous decomposition products	: No data available. : Carbon oxides
Other data	: No decomposition if stored and applied as directed.
CTION 11: Toxicological infor	mation
Synfluid® PAO 9 cSt Acute oral toxicity	<ul> <li>LD50: &gt; 5,000 mg/kg</li> <li>Species: Rat</li> <li>Information given is based on data obtained from similar substances.</li> </ul>
Synfluid® PAO 9 cSt Acute inhalation toxicity	: LC50: > 5 mg/l Exposure time: 4 h Species: Rat Test atmosphere: dust/mist Information given is based on data obtained from similar substances.
Synfluid® PAO 9 cSt Acute dermal toxicity	<ul> <li>LD50: &gt; 2,000 mg/kg</li> <li>Species: Rat</li> <li>Information given is based on data obtained from similar substances.</li> </ul>
Synfluid® PAO 9 cSt Skin irritation	: No skin irritation Information given is based on data obtained from similar substances.
Synfluid® PAO 9 cSt Eye irritation	: No eye irritation Information given is based on data obtained from similar substances.
Synfluid® PAO 9 cSt Sensitization	: Did not cause sensitization on laboratory animals. Information given is based on data obtained from similar substances.
Synfluid® PAO 9 cSt Repeated dose toxicity	<ul> <li>Species: Rat, Male and female Sex: Male and female Application Route: oral gavage Dose: 0, 1000 mg/kg/day Exposure time: 28 days NOEL: 1,000 mg/kg Method: OECD Test Guideline 407 Information given is based on data obtained from similar substances.</li> </ul>

# SAFETY DATA SHEET Synfluid® PAO 9 cSt Version 1.10 Revision Date 2023-02-19 Synfluid® PAO 9 cSt Genotoxicity in vitro : Test Type: Ames test Result: negative Remarks: Information refers to the main ingredient. Test Type: Chromosome aberration test in vitro Result: negative Remarks: Information refers to the main ingredient. Synfluid® PAO 9 cSt Genotoxicity in vivo : Test Type: Mouse micronucleus assay **Result:** negative Remarks: Information refers to the main ingredient. Synfluid® PAO 9 cSt Reproductive toxicity : Animal testing did not show any effects on fertility. Information given is based on data obtained from similar substances. Synfluid® PAO 9 cSt **Developmental Toxicity** Animal testing did not show any effects on fetal development. Information given is based on data obtained from similar substances. Synfluid® PAO 9 cSt Aspiration toxicity : No aspiration toxicity classification. Toxicology Assessment Synfluid® PAO 9 cSt **CMR** effects Carcinogenicity: Contains no ingredient listed as a carcinogen Mutagenicity: Animal testing did not show any mutagenic effects. Teratogenicity: Did not show teratogenic effects in animal experiments. Reproductive toxicity: No toxicity to reproduction Synfluid® PAO 9 cSt **Further information** : No data available. **SECTION 12: Ecological information Ecotoxicity effects** Biodegradability : Result: Expected to be inherently biodegradable. Elimination information (persistence and degradability) **Bioaccumulation** : This material is not expected to bioaccumulate. SDS Number:100000014080 7/12

Version 1.10

SAFETY DATA SHEET

Revision Date 2023-02-19

Mobility	:	No data available
Additional ecological information Ecotoxicology Assessment	:	No data available
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**

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.

### **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.

SDS Number:100000014080

8/12

SAFETY DATA SHEET

# Synfluid® PAO 9 cSt

Version 1.10

Revision Date 2023-02-19

Polyolefin (molecular weight 300+), S.T. 2, Cat.Y ding to IMO instruments
SARA Hozordo
SARA Hozordo
SARA Hazarda
SARA Hazalus
is material does not contain any components with a CERCLA Q.
is material does not contain any components with a SARA 2 RQ.
is material does not contain any components with a section 2 EHS TPQ.
is material does not contain any components with a section 4 EHS RQ.
is material does not contain any chemical components with own CAS numbers that exceed the threshold (De Minimis) porting levels established by SARA Title III, Section 313.
(

Ozone-Depletion : This produc	Revision Date 2023-02-
	t neither contains, nor was manufactured with a Class I or S as defined by the U.S. Clean Air Act Section 602 (40 CFR A, App.A + B).
This product does not contain any Act Section 112 (40 CFR 61).	hazardous air pollutants (HAP), as defined by the U.S. Clean Ai
This product does not contain any Accidental Release Prevention (40	chemicals listed under the U.S. Clean Air Act Section 112(r) for CFR 68.130, Subpart F).
This product does not contain any Intermediate or Final VOC's (40 Cl	chemicals listed under the U.S. Clean Air Act Section 111 SOC FR 60.489).
US State Regulations	
Pennsylvania Right To Know	Dedeese Trimer Undergensted, 454000 00 4
	Dodecene, Trimer, Hydrogenated - 151006-62-1
1.	Dodecene, Homopolymer, Hydrogenated - 151006-63-2
	Dodecene, Homopolymer, Hydrogenated - 151006-63-2
1- Notification status Europe REACH	: This product is in full compliance according to REACH
<b>Notification status</b> Europe REACH United States of America (USA)	<ul> <li>This product is in full compliance according to REACH regulation 1907/2006/EC.</li> <li>On or in compliance with the active portion of the</li> </ul>
Notification status Europe REACH	<ul> <li>This product is in full compliance according to REACH regulation 1907/2006/EC.</li> <li>On or in compliance with the active portion of the TSCA inventory</li> <li>All components of this product are on the Canadian</li> </ul>
Notification status Europe REACH United States of America (USA) TSCA Canada DSL	<ul> <li>This product is in full compliance according to REACH regulation 1907/2006/EC.</li> <li>On or in compliance with the active portion of the TSCA inventory</li> <li>All components of this product are on the Canadian DSL</li> </ul>
Notification status Europe REACH United States of America (USA) TSCA Canada DSL Other AICS	<ul> <li>This product is in full compliance according to REACH regulation 1907/2006/EC.</li> <li>On or in compliance with the active portion of the TSCA inventory</li> <li>All components of this product are on the Canadian DSL</li> <li>On the inventory, or in compliance with the inventory</li> </ul>
Notification status Europe REACH United States of America (USA) TSCA Canada DSL	<ul> <li>This product is in full compliance according to REACH regulation 1907/2006/EC.</li> <li>On or in compliance with the active portion of the TSCA inventory</li> <li>All components of this product are on the Canadian DSL</li> <li>On the inventory, or in compliance with the inventory</li> <li>On the inventory, or in compliance with the inventory</li> <li>On the inventory, or in compliance with the inventory</li> <li>On the inventory, or in compliance with the inventory</li> </ul>
Notification status Europe REACH United States of America (USA) TSCA Canada DSL Other AICS New Zealand NZIoC	<ul> <li>This product is in full compliance according to REACH regulation 1907/2006/EC.</li> <li>On or in compliance with the active portion of the TSCA inventory</li> <li>All components of this product are on the Canadian DSL</li> <li>On the inventory, or in compliance with the inventory</li> <li>On the inventory, or in compliance with the inventory</li> </ul>

SDS Number:100000014080

Version 1.10

Revision Date 2023-02-19

# SECTION 16: Other information NFPA Classification : Health Hazard: 0 Fire Hazard: 1 Reactivity Hazard: 0 Further information Legacy SDS Number : 5653 NSF H1, HX-1 Registered, meets USDA 1998 H1 Guidelines 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.

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AIIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effe
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agenc
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupatio 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 Concentra
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 Substan
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recov 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

# SAFETY DATA SHEET

Version 1.10

Revision Date 2023-02-19

ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act
	New Chemical Substances		
KECI	Korea, Existing Chemical	UVCB	Unknown or Variable Composition,
	Inventory		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:100000014080