

## SAFETY DATA SHEET

**PHILLIPS 66 SHIELD FULL SYN. EURO TECH 5W40**

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

## 1.1. Product identifier

## Trade name

PHILLIPS 66 SHIELD FULL SYN. EURO TECH 5W40

## Product no.

P6609401, P6609405 (55 GALLON DRUM)

## 1.2. Relevant identified uses of the substance or mixture and uses advised against

## Relevant identified uses of the substance or mixture

Engine oil

## Uses advised against

The product may only be used in accordance with the area of application specified above. If, nonetheless, the product is used outside the specified scope, please contact the supplier.

## 1.3. Details of the supplier of the safety data sheet

## Company and address

**Klintberg & Way Parts AB**

Haukadalsgatan 5

164 40 KISTA

SWEDEN

+46 (0)8 6808800

www.kwparts.com

## E-mail

info@kwparts.com

## Revision

20-01-2022

## SDS Version

1.0

## 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

## 2.2. Label elements

## Hazard pictogram(s)

Not applicable

## Signal word

Not applicable

## Hazard statement(s)

Not applicable

## Safety statement(s)

General

-

## Prevention

-

## Response

-

**Storage**

-

**Disposal**

-

**Hazardous substances**

- Distillates (petroleum), hydrotreated heavy paraffinic
- Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based
- Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified

**2.3. Other hazards**

**Additional labelling**

Not applicable

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

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

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Distillates (petroleum), hydrotreated heavy paraffinic	CAS No.: 64742-54-7	< 85%		
	EC No.: 265-157-1			
	REACH: 01-2119484627-25-XXXX			
	Index No.: 649-467-00-8			
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	CAS No.: 72623-86-0	< 5%		
	EC No.: 276-737-9			
	REACH: 01-2119474878-16-XXXX			
	Index No.: 649-482-00-X			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified	CAS No.: 72623-87-1	< 5%		
	EC No.: 276-738-4			
	REACH: 01-2119474889-13-XXXX			
	Index No.: 649-483-00-5			

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

No special

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In case of uncertainty on how to treat an exposed person, call the National Poisons Information Service immediately.

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact

To avoid irritation flush with soft water jet or eye wash fluid for at least 5 minutes. In case of persistent symptoms (intense burning, pain, sensitivity to light, visual disturbance) continue flushing and contact/seek a hospital or doctor.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable

#### 4.2. Most important symptoms and effects, both acute and delayed

No special

#### 4.3. Indication of any immediate medical attention and special treatment needed

No special

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

No special

#### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>).

#### 5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Always wear gloves and protective clothing when in contact with chemical substances.

No specific requirements

#### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

#### 6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

#### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

A risk assessment of the handling shall always be prepared based on the specific conditions prevailing at the workplace. The risk assessment shall be used as basis for preparing appropriate instructions for the safe handling of the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

No special conditions required.

#### Recommended storage material

Keep only in original packaging.

#### Storage temperature

Dry, cool and well ventilated

#### Incompatible materials

Strong acids, bases, oxidizing agents and reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

Product/substance	Distillates (petroleum), hydrotreated heavy paraffinic
DNEL	2.73 mg/m <sup>3</sup>
Route of exposure	Oral
Duration	Long term – Systemic effects - Workers

Product/substance	Distillates (petroleum), hydrotreated heavy paraffinic
DNEL	5.58 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers

Product/substance	Distillates (petroleum), hydrotreated heavy paraffinic
DNEL	0.97 mg/kg/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	Distillates (petroleum), hydrotreated heavy paraffinic
DNEL	0.74 mg/kg/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based
DNEL	740 µg/kgbw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based
DNEL	1.19 mg/m <sup>3</sup>

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Route of exposure Duration	Inhalation Long term – Local effects - General population
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based 970 µg/kgbw/day Dermal Long term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based 5.58 mg/m <sup>3</sup> Inhalation Long term – Local effects - Workers
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based 2.73 mg/m <sup>3</sup> Inhalation Long term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified 740 µg/kgbw/day Oral Long term – Systemic effects - General population
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified 1.19 mg/m <sup>3</sup> Inhalation Long term – Local effects - General population
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified 970 µg/kgbw/day Dermal Long term – Systemic effects - Workers
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified 5.58 mg/m <sup>3</sup> Inhalation Long term – Local effects - Workers
Product/substance DNEL Route of exposure Duration	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified 2.73 mg/m <sup>3</sup> Inhalation Long term – Systemic effects - Workers

## PNEC

Product/substance PNEC Route of exposure Duration of Exposure	Distillates (petroleum), hydrotreated heavy paraffinic 9.33 mg/kg food Predators Continuous
Product/substance PNEC Route of exposure	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based 9.33 mg/kg Predators

Duration of Exposure

Product/substance	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified
PNEC	9.33 mg/kg
Route of exposure	Predators
Duration of Exposure	

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

In case of simultaneous exposure to several air pollutants, their combined effects shall be considered. In assessing exposure conditions, the body weight and absorption of certain substances through the skin shall be taken into account in addition to the concentration of air pollutants in inhaled air. The person who plans and carries out the air pollution measurement shall have sufficient knowledge to do so. Measurements shall be taken using appropriate methods and equipment. Exposure measurements relate to conditions during normal operation. Where necessary, they shall also highlight the exposure under other conditions. Exposure measurements shall be taken in the breathing zone on a sufficient number of persons to make it possible to assess the exposure of all exposed persons.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

Wash hands after use.

### Measures to avoid environmental exposure

No specific requirements

## Individual protection measures, such as personal protective equipment

### Generally

Use only CE marked protective equipment.

### Respiratory Equipment

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation	-	-	-

### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn	-	-



### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	> 0,4	> 480	EN374



### Eye protection

Type	Standards
No specific requirements	-

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

#### Colour

Amber

#### Odour / Odour threshold

Petroleum

#### pH

Not applicable

#### Density (g/cm<sup>3</sup>)

No data available

#### Relative density

0.8 - 0.9 (15.60 °C)

#### Kinematic viscosity

50 - 90 centistokes (40.00 °C)

#### Particle characteristics

No data available

#### Phase changes

##### Melting point/Freezing point (°C)

No data available

##### Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

##### Boiling point (°C)

No data available

##### Vapour pressure

No data available

##### Relative vapour density

> 1

##### Decomposition temperature (°C)

Not applicable

#### Data on fire and explosion hazards

##### Flash point (°C)

185.00 °C

##### Ignition (°C)

No data available

##### Auto flammability (°C)

No data available

##### Lower and upper explosion limit (% v/v)

No data available

#### Solubility

##### Solubility in water

Insoluble

##### n-octanol/water coefficient

No data available

##### Solubility in fat (g/L)

No data available

### 9.2. Other information

#### Evaporation rate (n-butylacetate = 100)

No data available

### Other physical and chemical parameters

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

No special

### 10.5. Incompatible materials

Strong acids, bases, oxidizing agents and reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

#### Long term effects

No special

#### Endocrine disrupting properties

No special

#### Other information

The assessment of the properties of the constituents is based primarily on information in the ECHA database of registered substances, and the classification and labelling register.

## SECTION 12: Ecological information

### 12.1. Toxicity



No data available

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Endocrine disrupting properties

No special

#### 12.7. Other adverse effects

The assessment of the properties of the constituents is based primarily on information in the ECHA database of registered substances, and the classification and labelling register.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

13 02 06\* Synthetic engine, gear and lubricating oils

15 01 10\* Packaging containing residues of or contaminated by dangerous substances

#### Specific labelling

Before handling waste, see Section 8, Exposure controls/personal protection. Contamination of the product with hazardous substances during use cannot be ruled out and therefore the properties of the waste do not fully correspond to those of the original product. It is therefore always the user's responsibility to classify the waste. Hazardous waste shall be transported to an approved waste facility by an authorised carrier.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

#### 14.1. - 14.4.

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

Not applicable

#### IMDG

Not applicable

#### MARINE POLLUTANT

No

#### IATA

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

No special

#### Demands for specific education

No specific requirements

#### SEVESO - Categories / dangerous substances

Not applicable

#### Additional information

Not applicable

#### Sources

The employer is obliged to continuously keep abreast of the current regulations pertaining to the activity in question.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit.

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVCB = Complex hydrocarbon substance

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

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**Additional information**

In accordance with Article 31 of REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required under Article 32 of REACH.

**The safety data sheet is validated by**

Future Competence Sweden AB

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en