

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form	: Mixture
Product name	: 4205 - MOTOR OIL SN 5W-20
Product code	: 77-4205
Type of product	: Lubricant
Product group	: Engine oil (lubricant)

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category	: Professional use,Industrial use
Industrial/Professional use spec	: Industrial For professional use only

**1.2.2. Uses advised against**

No additional information available

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

Transnational Blenders B.V. (under license of 77 Lubricants)  
Wieldrechtseweg 37  
3316 BG Dordrecht - Netherlands  
T +31 (0)78 652 7652  
[info@tnb.nl](mailto:info@tnb.nl) - [www.tnb.nl](http://www.tnb.nl)

**1.4. Emergency telephone number**

Emergency number	: +31 (0)78 652 7652 Monday to Friday: 09:00 - 16:00 (CET)
------------------	---

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

EUH-statements	: EUH210 - Safety data sheet available on request
Child-resistant fastening	: No
Tactile warning	: No

**2.3. Other hazards**

Adverse physicochemical, human health and environmental effects : Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Other hazards not contributing to the classification : Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

**SECTION 3: Composition/information on ingredients****3.1. Substance**

Not applicable

**3.2. Mixture**

# 4205 - MOTOR OIL SN 5W-20

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic	(CAS No) 64742-54-7 (EC no) 265-157-1 (EC index no) 649-467-00-8	>= 75	Asp. Tox. 1, H304
Distillates (petroleum), solvent-dewaxed heavy paraffinic	(CAS No) 64742-65-0 (EC no) 265-169-7 (EC index no) 649-474-00-6	5 - 10	Asp. Tox. 1, H304
Reaction mass of isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate	(CAS No) 125643-61-0 (EC no) 406-040-9 (EC index no) 607-530-00-7 (REACH-no) 0000015551-76	1 - 5	Aquatic Chronic 4, H413

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries : After adequate first aid, no further treatment is required unless symptoms reappear. Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after inhalation : After adequate first aid, no further treatment is required unless symptoms reappear.
- Symptoms/injuries after skin contact : After adequate first aid, no further treatment is required unless symptoms reappear.
- Symptoms/injuries after eye contact : After adequate first aid, no further treatment is required unless symptoms reappear.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Protective equipment : Eliminate all ignition sources if safe to do so.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

# 4205 - MOTOR OIL SN 5W-20

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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

Storage conditions : Direct sunlight. Heat sources. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight., Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 50 °C

Storage area : Store away from heat. Store in a well-ventilated place.

Special rules on packaging : Store in a closed container. Keep only in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
EU	IOELV TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Belgium	Limit value (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
USA - NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

### 8.2. Exposure controls

Personal protective equipment : Insulated gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Hand protection : Wear protective gloves

Eye protection : Chemical goggles or safety glasses

Respiratory protection : Wear appropriate mask



Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Appearance : Characteristics.

Colour : light yellow.

Odour : characteristic.

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : -39 °C

Boiling point : No data available

Flash point : > 210 °C

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable.

# 4205 - MOTOR OIL SN 5W-20

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 852,5 kg/m <sup>3</sup> @15°C
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 48 mm <sup>2</sup> /s @40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

Other properties : See Product Data Sheet for detailed information.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Reaction mass od isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)

LD50 oral (rat)	> 2000 mg/kg OECD 401
-----------------	-----------------------

LD50 dermal (rat)	> 2000 mg/kg OECD 402
-------------------	-----------------------

#### Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

LD50 oral (rat)	2000 mg/kg
-----------------	------------

LD50 dermal (rat)	2000 mg/kg
-------------------	------------

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

LD50 oral (rat)	> 5000 mg/kg
-----------------	--------------

LD50 dermal (rabbit)	> 2000 mg/kg
----------------------	--------------

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met

# 4205 - MOTOR OIL SN 5W-20

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

<b>4205 - MOTOR OIL SN 5W-20</b>	
Viscosity, kinematic	48 mm <sup>2</sup> /s @40°C

Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
---	---

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water	: Harmful to aquatic life with long lasting effects.
-----------------	--

<b>Reaction mass od isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)</b>	
LC50 fish 1	74 mg/l 96Hrs (OECD 203)
EC50 Daphnia 1	100 mg/l 24Hrs (OECD 202)
EC50 other aquatic organisms 1	3 mg/l 72Hrs (OECD 201)
EC50 72h algae (1)	3 mg/l

<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)</b>	
LC50 fish 1	74 mg/l
EC50 72h algae (1)	3 mg/l

<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
EC50 Daphnia 1	10000 mg/l

### 12.2. Persistence and degradability

<b>4205 - MOTOR OIL SN 5W-20</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

<b>Reaction mass od isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)</b>	
Persistence and degradability	Not biodegradable.
Biodegradation	0 %

<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)</b>	
Persistence and degradability	Not biodegradable.

### 12.3. Bioaccumulative potential

<b>4205 - MOTOR OIL SN 5W-20</b>	
Bioaccumulative potential	Not established.

<b>Reaction mass od isomers of C7-9-alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate (125643-61-0)</b>	
Bioconcentration factor (BCF REACH)	260 35 Days
Log Pow	9,2

<b>Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)</b>	
Bioconcentration factor (BCF REACH)	260
Log Pow	9,2

<b>Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)</b>	
Log Kow	> 4

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information	: Avoid release to the environment
------------------------	------------------------------------

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations	: See Directive 2001/118/EC. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...
Ecology - waste materials	: Avoid release to the environment.

# 4205 - MOTOR OIL SN 5W-20

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

##### ADN

Transport hazard class(es) (ADN) : Not applicable

##### RID

Transport hazard class(es) (RID) : Not applicable

#### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

No data available

##### - Transport by sea

No data available

##### - Air transport

No data available

##### - Inland waterway transport

No data available

##### - Rail transport

No data available

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

# 4205 - MOTOR OIL SN 5W-20

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

### 15.1.2. National regulations

#### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Netherlands

Ministry's list of carcinogens : Distillates (petroleum), solvent-dewaxed heavy paraffinic, Distillates (petroleum), hydrotreated heavy paraffinic are listed

Ministry's list of mutagens : Distillates (petroleum), solvent-dewaxed heavy paraffinic, Distillates (petroleum), hydrotreated heavy paraffinic are listed

NON-exhaustive list of reproductive toxins - Breastfeeding : None of the components are listed

NON-exhaustive list of reproductive toxins - Fertility : None of the components are listed

NON-exhaustive list of reproductive toxins - Evolution : None of the components are listed

#### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
H304	May be fatal if swallowed and enters airways
H413	May cause long lasting harmful effects to aquatic life
EUH210	Safety data sheet available on request

SDS EU (REACH Annex II)

*DISCLAIMER OF LIABILITY* The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness