

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 10/07/2012 Revision date: 13/03/2025 Supersedes version of: 09/12/2024 Version: 5.6

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

1.1. Product identifier

Product form : Mixture

Product name : 76810 - 2-Stroke Motorcycle Oil Semi Synth

Product code : 76810

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

Relevant identified uses

Intended for general public

Main use category : Industrial use, Professional use, Consumer use

Function or use category : Lubricants and additives

1.3. Details of the supplier of the safety data sheet

Transnational Blenders bv
Wieldrechtseweg 37
NL 3316 BG Dordrecht, Netherlands, Zuid Holland
Netherlands
T +31 (0)78 6527652
technical@tnb.nl, www.tnb.nl

1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil substance with a Community workplace exposure limit (Note L)	CAS-No.: 72623-87-1 EC-No.: 276-738-4 EC Index-No.: 649-483-00-5 REACH-no: 01-2119474889- 13	≥ 45 – < 55	Asp. Tox. 1, H304
Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit (Note L)	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	≥ 10 – < 15	Asp. Tox. 1, H304
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics substance with national workplace exposure limit(s) (BE, NL); substance with a Community workplace exposure limit	EC-No.: 926-141-6 REACH-no: 01-2119456620- 43	≥ 10 – < 15	Asp. Tox. 1, H304 EUH066

Note L:

The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide 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), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

Self protection of the first-aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects : After adequate first aid, no further treatment is required unless symptoms reappear. Symptoms/effects after inhalation : After adequate first aid, no further treatment is required unless symptoms reappear. Symptoms/effects after eye contact : After adequate first aid, no further treatment is required unless symptoms reappear. Symptoms/effects after eye contact : After adequate first aid, no further treatment is required unless symptoms reappear.

Symptoms/effects after ingestion : None under normal conditions.

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

Ingestion of large quantities: immediately to hospital. Obtain medical assistance. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

13/03/2025 (Revision date) IE - en 2/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Will ignite if exposed to intensive heat.

Explosion hazard : Not expected to be a fire/explosion hazard under normal conditions of use. Heat may build

pressure, rupturing closed containers, spreading fire and increasing risk of burns and

injuries.

Reactivity in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other

toxic gases.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Precautionary measures fire : Evacuate area.

Firefighting instructions : Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed

containers. Do not enter fire area without proper protective equipment, including respiratory

protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Prevent soil and water pollution. Prevent entry to sewers and public waters. Stop leak if safe

to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to

prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid any direct contact with the

product. Stop leaks if it can be done without personal risk.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : For large spills, confine the spill in a dike and charge it with wet sand or earth for

subsequent safe disposal. Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Clear up spills immediately and dispose of

waste safely. Sweep or shovel spills into appropriate container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. May be reused following decontamination. Clean contaminated surfaces with an excess of water.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Empty containers retain product residue and can be hazardous.

13/03/2025 (Revision date) IE - en 3/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid

contact with skin, eyes and clothing. Do not ingest. Do not breathe fumes from fires or vapours from decomposition. Avoid breathing dust, fume, gas, mist, spray, vapours. Spilled

material may present a slipping hazard. Clean spills promptly.

Hygiene measures : Routine housekeeping should be instituted. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.

Storage conditions : Store in a well-ventilated place. Keep cool. Store away from oxidising agents. Protect from

sunlight. Store in original container. Always keep in containers made of the same material as the supply container. Do not store in open, inadequate, mislabled packaging. Opened containers must be carefully closed and kept upright to avoid leakage. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Empty

containers retain product residue and can be hazardous.

Storage temperature : ≤ 40 °C

Information on mixed storage : Store away from strong oxidizers, strong bases, strong acids.

Storage area : Store at ambient temperature.

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

Packaging materials : Always store product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
EU - Indicative Occupational Exposure Limit (IOEL)			
IOEL TWA 1200 mg/m³			
	165 ppm		
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
EU - Indicative Occupational Exposure Limit (IOEL)			
DEL TWA 5 mg/m³			
IOEL STEL	10 mg/m³		
Ireland - Occupational Exposure Limits			
OEL TWA 5 ppm Form: inhalable fraction			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)			
EU - Indicative Occupational Exposure Limit (IOEL)			
IOEL TWA	OEL TWA 5 mg/m³		
IOEL STEL 10 mg/m³			

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Personal protective equipment symbol(s):







Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : light brown. Odour : characteristic. Odour threshold : Not available Melting point : Not applicable Freezing point : -36 °C (ASTM D7346) : Not available Boiling point : Non flammable. Flammability : Not available Lower explosion limit : Not available Upper explosion limit : 152 °C (ASTM D92) Flash point

Auto-ignition temperature : Not available
Decomposition temperature : Not available
pH : Not available
Not available

Viscosity, kinematic : 62.6 mm²/s @ 40°C (ASTM D7042)

Solubility : insoluble in water.

Partition coefficient n-octanol/water (Log Kow) : Not available

Vapour pressure : Not available

Vapour pressure at 50°C : Not available

Density : 863 kg/m³ @ 15°C (ASTM D4052)

Relative density : Not available
Relative vapour density at 20°C : Not available
Particle characteristics : Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Acute toxicity (inhalation)	Not classified			
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
LD50 oral (rat)	> 5000 mg/kg OECD Guideline 401			
LD50 dermal (rabbit)	> 5000 mg/kg OECD Guideline 402			
LC50 inhalation (rat) (mg/l)	> 5000 mg/m³ OECD Guideline 403			
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)				
LD50 oral (rat)	> 5000 mg/kg 401 Acute Oral Toxicity Test			
LD50 dermal (rabbit) > 5000 mg/kg 402 Acute Dermal Toxicity Test				
LC50 inhalation (rat) (Dust/Mist - mg/l/4h) > 5 mg/l/4h 403 Acute Inhalation Toxicity Test				

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)			
LD50 oral (rat)	> 5000 mg/kg		
LD50 dermal (rabbit)	> 2000 mg/kg		
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h		
Oldin annual in Profestion			

Skin corrosion/irritation Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified STOT-repeated exposure : Not classified

Distillates (petroleum), hydrotreated heavy paraffinic (6	icuiii/, i	ry ur ou cate	u iicavy	paramin	(07/72-37-//
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LOAEL (oral, rat, 90 days)

125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408
(Repeated Dose 90-Day Oral Toxicity in Rodents)

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)

LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day

Aspiration hazard : Not classified

13/03/2025 (Revision date) IE - en 6/11

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

76810 - 2-Stroke Motorcycle Oil Semi Synth			
Viscosity, kinematic 62.6 mm²/s @ 40°C (ASTM D7042)			
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
Viscosity, kinematic	2.4 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'		
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Viscosity, kinematic	20.8 mm²/s @ 40°C		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)			
Viscosity, kinematic 47 mm²/s			

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term : Not classified

acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

<u> </u>				
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
C50 - Fish [1] > 1000 mg/l Oncorhynchus mykiss				
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna			
EC50 72h - Algae [1] > 1000 mg/l Pseudokirchneriella subcapitata				
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)				
LC50 - Fish [1]	> 100 mg/l Pimephales promelas			
EC50 - Crustacea [1]	> 10000 mg/l Daphnia magna			
EC50 72h - Algae [1]	> 100 mg/l			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)				
LC50 - Fish [1]	> 100 mg/l Pimephales promelas			
EC50 - Crustacea [1]	> 10000 Daphnia magna			
NOEC chronic fish	1000 mg/l Oncorhynchus mykiss (14d)			
NOEC chronic crustacea	10 mg/l Daphnia magna (21d)			
NOEC chronic algae 100 mg/l Pseudokirchneriella subcapitata (72h)				

12.2. Persistence and degradability

76810 - 2-Stroke Motorcycle Oil Semi Synth			
Persistence and degradability Rapidly degradable			
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
Persistence and degradability	Rapidly degradable		
Biodegradation	69 % OECD 301F (28d)		

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Persistence and degradability Not rapidly degradable			
Biodegradation	< 31 % OECD TG 301 F (28d)		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)			
Persistence and degradability Rapidly degradable.			
Biodegradation 31 %			

12.3. Bioaccumulative potential

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil (72623-87-1)		
Partition coefficient n-octanol/water (Log Pow)	> 6	

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Recycle product or dispose safely. Recycle the material as far as possible. Recycle or dispose of in compliance with current legislation. Disposal must be done according to official

regulations.

Additional information : Do not re-use empty containers.

European List of Waste (LoW, EC 2000/532) : 13 02 00 - waste engine, gear and lubricating oils

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID			
14.1. UN number or ID number							
Not regulated for transport	Not regulated for transport						
14.2. UN proper shipping name							
Not applicable Not applicable Not applicable Not applicable Not applicable							
14.3. Transport hazard class(es)							
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable			
14.4. Packing group							
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable			

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
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. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Revision date	Modified
	Supersedes	Modified
2.2	EUH-statements	Added
3	Composition/information on ingredients	Modified
7.1	Handling temperature	Removed
9	Density	Modified
9	Flash point	Modified
9	Freezing point	Modified
9	Viscosity, kinematic	Modified

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:		
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disruptor	

Full text of H- and EUH-statements:		
Asp. Tox. 1	Aspiration hazard, Category 1	
H304	May be fatal if swallowed and enters airways.	
EUH066	Repeated exposure may cause skin dryness or cracking.	
EUH210	Safety data sheet available on request.	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.