

# PETROL

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Issue date: 16/03/2020

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Supersedes: 01/02/2017

Version: 1.1

SDS No: 12236-0014

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

#### 1.1. Product identifier

Product form : Substance  
Substance name : PETROL  
Chemical name : Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha  
EC-No. : 265-185-4  
CAS-No. : 64742-82-1  
REACH registration No : 01-2119458049-33

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Organic solvent

##### 1.2.2. Uses advised against

No additional information available

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

Imbach Chemie AG  
Pilatusstrasse 31  
5630 Muri  
T +41 56 664 06 16 - F +41 56 664 06 17  
[info@imbachchemie.ch](mailto:info@imbachchemie.ch) - [www.imbachchemie.ch](http://www.imbachchemie.ch)

#### 1.4. Emergency telephone number

Emergency number : England & Wales: 111, Scotland: 111

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Specific target organ toxicity — Repeated exposure, Category 1 H372  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

GHS08

GHS09

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H304 - May be fatal if swallowed and enters airways.

H336 - May cause drowsiness or dizziness.

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P260 - Do not breathe dusts or mists.  
P262 - Do not get in eyes, on skin, or on clothing.  
P273 - Avoid release to the environment.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331 - Do NOT induce vomiting.  
P405 - Store locked up.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : PETROL  
CAS-No. : 64742-82-1  
EC-No. : 265-185-4

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha (Note P)	(CAS-No.) 64742-82-1 (EC-No.) 265-185-4	100	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Adhere to personal protective measures when giving first aid. Take affected person away from danger area. Take off immediately all contaminated clothing. Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. In case of loss of conscience place the victim in the recovery position. Call a doctor.

First-aid measures after skin contact : Wash off immediately with soap and plenty of water. Call a physician immediately.

First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist.

First-aid measures after ingestion : Call a physician immediately. Do not induce vomiting. Drink plenty of water.

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

Symptoms/effects : Causes damage to organs through prolonged or repeated exposure.

Symptoms/effects after inhalation : High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting.

Symptoms/effects after skin contact : Prolonged or repeated contact may cause skin to become dry or cracked. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : Toxic if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Fire-extinguishing activities according to surrounding. Water spray. Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : high volume water jet.

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

- Explosion hazard : In use, may form flammable/explosive vapour-air mixture.
- Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO<sub>2</sub>).

#### 5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
- Other information : Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Vapours are heavier than air and may spread along floors. The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

### SECTION 6: Accidental release measures

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

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

- Emergency procedures : Ventilate spillage area. Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel. Wear personal protective equipment. No flames, no sparks. Eliminate all sources of ignition.

##### 6.1.2. 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".

#### 6.2. Environmental precautions

Dilute with plenty of water. Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters. Use water spray jet to minimise or disperse vapours.

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

- For containment : Collect spillage.
- Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Ensure adequate air ventilation. Wash away remainder with plenty of water. Clean contaminated surface thoroughly.
- Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8. For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Use only outdoors or in a well-ventilated area. Keep container tightly closed. Handle and open container with care. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking. Explosion free apparatus have to be used. Use only non-sparking tools.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off immediately all contaminated clothing and wash it before reuse.

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

- Storage conditions : Keep container tightly closed in a dry, cool and well-ventilated place. Avoid sub-soil penetration. Store locked up.
- Incompatible products : Acids and oxidizing agents.
- Heat and ignition sources : Keep away from heat and direct sunlight.
- Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

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Special rules on packaging : Use containers only, specially approved for this substance/product.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha (64742-82-1)

##### EU - Occupational Exposure Limits

Local name	White spirit Type 1
IOELV TWA (mg/m <sup>3</sup> )	116 mg/m <sup>3</sup>
IOELV TWA (ppm)	20 ppm
IOELV STEL (mg/m <sup>3</sup> )	290 mg/m <sup>3</sup>
IOELV STEL (ppm)	50 ppm
Notes	Skin. (Year of adoption 2007)
Regulatory reference	SCOEL Recommendations

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Hand protection:

Protective gloves. Select the appropriate glove material adhering to the breakthrough time, permeation rate and the degradation. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
protective gloves	Butyl rubber	6 (> 480 minutes)	0,5		EN ISO 374

#### Eye protection:

Protective goggles (EN 166)

#### Skin and body protection:

Long sleeved protective clothing. EN 368. Impermeable clothing

#### Respiratory protection:

Wear respiratory protection. EN 149

Device	Filter type	Condition	Standard
Breathing apparatus with filter	ABEK	Short term exposure	
Self contained breathing apparatus		Long term exposure	

#### 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 : Colourless.

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Odour	: Of aromatic carbon hydroxides.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: < -15 °C
Freezing point	: No data available
Boiling point	: 187 °C
Flash point	: 64 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.795 g/cm <sup>3</sup> (15°C)
Solubility	: Water: Not miscible
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive. Flammable or explosive vapour/air mixtures may be formed.
Oxidising properties	: Flammable.
Lower explosive limit (LEL)	: 0.6 vol %
Upper explosive limit (UEL)	: 6.1 vol %

### 9.2. Other information

VOC content : 100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Stable under normal conditions. To avoid thermal decomposition, do not overheat.

### 10.3. Possibility of hazardous reactions

Reacts with : oxidizing materials.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapour/air-mixtures are explosive at intense warming. Heating can release vapours which can be ignited.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

### PETROL (64742-82-1)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified

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Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 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

Other adverse effects	: Endangering to drinking water.
Additional information	: Do not flush into surface water or sewer system

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Disposal in accordance with local regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Should not be disposed of with household waste.
Additional information	: The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
European List of Waste (LoW) code	: 16 05 08* - discarded organic chemicals consisting of or containing dangerous substances 15 01 02 - plastic packaging

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082

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### 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha)	Environmentally hazardous substance, liquid, n.o.s. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha)
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### Transport document description

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Naphtha (petroleum), hydrodesulphurized heavy; Low boiling point hydrogen treated naphtha), 9, III
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### 14.3. Transport hazard class(es)

9	9	9	9	9

### 14.4. Packing group

III	III	III	III	III
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### 14.5. Environmental hazards

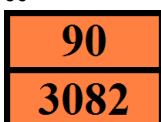
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
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No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M6  
 Special provisions (ADR) : 274, 335, 375, 601  
 Limited quantities (ADR) : 5L  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P001, IBC03, LP01, R001  
 Special packing provisions (ADR) : PP1  
 Mixed packing provisions (ADR) : MP19  
 Transport category (ADR) : 3  
 Hazard identification number (Kemler No.) : 90  
 Orange plates :



Tunnel restriction code (ADR) : -  
 EAC code : •3Z

#### Transport by sea

Special provisions (IMDG) : 274, 335, 969  
 Limited quantities (IMDG) : 5 L

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Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : LP01, P001  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F

### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y964  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 964  
PCA max net quantity (IATA) : 450L  
CAO packing instructions (IATA) : 964  
CAO max net quantity (IATA) : 450L  
Special provisions (IATA) : A97, A158, A197  
ERG code (IATA) : 9L

### Inland waterway transport

Classification code (ADN) : M6  
Special provisions (ADN) : 274, 335, 375, 601  
Limited quantities (ADN) : 5 L  
Excepted quantities (ADN) : E1  
Equipment required (ADN) : PP  
Number of blue cones/lights (ADN) : 0

### Rail transport

Classification code (RID) : M6  
Special provisions (RID) : 274, 335, 375, 601  
Limited quantities (RID) : 5L  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P001, IBC03, LP01, R001  
Transport category (RID) : 3  
Hazard identification number (RID) : 90

## 14.7. Transport in bulk according to Annex II of Marpol 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

No REACH Annex XVII restrictions

PETROL is not on the REACH Candidate List

PETROL is not on the REACH Annex XIV List

PETROL is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

PETROL is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 100 %

#### Directive 2012/18/EU (SEVESO III)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
E2 Hazardous to the Aquatic Environment in Category Chronic 2	200	500

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information



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### 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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
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
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

### Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

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EUH066	Repeated exposure may cause skin dryness or cracking.
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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.