

according to Regulation (EC) No. 1907/2006

Creation Date 14-Sep-2009 Revision Date 18-Oct-2023 Revision Number 9

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product Description: <u>Heptane fraction from petroleum</u>

Cat No.: H/0100/15, H/0100/17, H/0100/27, H/0100/08, H/0100/25

 Synonyms
 Heptane

 Index No
 649-328-00-1

 CAS No
 64742-49-0

 EC No
 927-510-4

 Molecular Formula
 C7 H16

REACH registration number 01-2119475515-33

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

Recommended Use Laboratory chemicals.
Uses advised against No Information available

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

Company

**EU entity/business name** Thermo Fisher Scientific Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

UK entity/business name

Fisher Scientific UK

Bishop Meadow Road, Loughborough, Leicestershire LE11 5RG, United Kingdom

**Swiss distributor -** Fisher Scientific AG Neuhofstrasse 11, CH 4153 Reinach

Tel: +41 (0) 56 618 41 11

e-mail - infoch@thermofisher.com

**E-mail address** begel.sdsdesk@thermofisher.com

1.4. Emergency telephone number

Tel: 01509 231166

Chemtrec US: (800) 424-9300 Chemtrec EU: 001-703-527-3887

For customers in Switzerland:

Tox Info Suisse Emergency Number: 145 (24hr)

Tox Info Suisse: +41-44 251 51 51 (Emergency number from abroad)

Chemtrec (24h) Toll-Free: 0800 564 402 Chemtrec Local: +41-43 508 20 11 (Zurich)

## **SECTION 2: HAZARDS IDENTIFICATION**

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

#### CLP Classification - Regulation (EC) No 1272/2008

## **Physical hazards**

Flammable liquids Category 2 (H225)

#### **Health hazards**

**Aspiration Toxicity** Category 1 (H304) Skin Corrosion/Irritation Category 2 (H315) Specific target organ toxicity - (single exposure) Category 3 (H336)

#### **Environmental hazards**

Chronic aquatic toxicity Category 2 (H411)

Full text of Hazard Statements: see section 16

#### 2.2. Label elements



Signal Word

**Danger** 

#### **Hazard Statements**

- H225 Highly flammable liquid and vapor
- H315 Causes skin irritation
- H336 May cause drowsiness or dizziness
- H304 May be fatal if swallowed and enters airways
- H411 Toxic to aquatic life with long lasting effects

#### **Precautionary Statements**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P331 - Do NOT induce vomiting

P273 - Avoid release to the environment

#### 2.3. Other hazards

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB) Prolonged skin contact may defat the skin and produce dermatitis

This product does not contain any known or suspected endocrine disruptors

Revision Date 18-Oct-2023

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1. Substances

| Component                              | CAS No     | EC No     | Weight % | CLP Classification - Regulation (EC) No 1272/2008                                                     |
|----------------------------------------|------------|-----------|----------|-------------------------------------------------------------------------------------------------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | 927-510-4 | 100      | Flam. Liq. 2 (H225) Skin Irrit. 2 (H315) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) |

| REACH registration number | 01-2119475515-33 |
|---------------------------|------------------|
|---------------------------|------------------|

Full text of Hazard Statements: see section 16

## **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

**General Advice** If symptoms persist, call a physician.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get **Eye Contact** 

medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists,

call a physician.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if

symptoms occur.

Self-Protection of the First Aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination.

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

None reasonably foreseeable. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

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

Notes to Physician Treat symptomatically. Symptoms may be delayed.

## **SECTION 5: FIREFIGHTING MEASURES**

#### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam. Water mist may be used to cool closed containers.

#### Extinguishing media which must not be used for safety reasons

Do not use a solid water stream as it may scatter and spread fire.

#### Heptane fraction from petroleum

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

Flammable. Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated.

#### **Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO2).

#### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment as required. Ensure adequate ventilation.

#### 6.2. Environmental precautions

Should not be released into the environment.

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

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

## **SECTION 7: HANDLING AND STORAGE**

## 7.1. Precautions for safe handling

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Avoid ingestion and inhalation.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. Flammables area. Keep container tightly closed in a dry and well-ventilated place.

Technical Rules for Hazardous Substances (TRGS) 510 Storage Class (LGK) (Germany)

Class 3

Switzerland - Storage of hazardous substances

Storage class - SC 3

https://www.kvu.ch/de/themen/stoffe-und-produkte https://www.kvu.ch/fr/themes/substances-et-produits https://www.kvu.ch/it/temi/sostanze-e-prodotti

#### 7.3. Specific end use(s)

FSUH0100

Revision Date 18-Oct-2023

Use in laboratories

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### 8.1. Control parameters

#### **Exposure limits**

List source(s): **EU** - Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC **UK** - EH40/2005 Work Exposure Limits, Forth edition. Published 2020.

| Component           | European Union        | The United Kingdom | France | Belgium | Spain |
|---------------------|-----------------------|--------------------|--------|---------|-------|
| Naphtha, petroleum, | (TWA): 500 ppm, 2,085 | (TWA): 500 ppm     |        |         |       |
| hydrotreated light  | mg/m³                 |                    |        |         |       |

| Component           | Austria | Denmark | Switzerland | Poland                          | Norway |
|---------------------|---------|---------|-------------|---------------------------------|--------|
| Naphtha, petroleum, |         |         |             | STEL: 1500 mg/m <sup>3</sup> 15 |        |
| hydrotreated light  |         |         |             | minutach                        |        |
|                     |         |         |             | TWA: 500 mg/m <sup>3</sup> 8    |        |
|                     |         |         |             | godzinach                       |        |

#### **Biological limit values**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

#### **Monitoring methods**

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS70 General methods for sampling airborne gases and vapours

MDHS 88 Volatile organic compounds in air. Laboratory method using diffusive samplers, solvent desorption and gas chromatography

MDHS 96 Volatile organic compounds in air - Laboratory method using pumped solid sorbent tubes, solvent desorption and gas chromatography

## Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

| Component           | nent Acute effects local Acute effects (Inhalation) systemic (Inhalation) |                               | Chronic effects local (Inhalation) | Chronic effects systemic (Inhalation) |
|---------------------|---------------------------------------------------------------------------|-------------------------------|------------------------------------|---------------------------------------|
| Naphtha, petroleum, | $DNEL = 1066.67 \text{mg/m}^3$                                            | $DNEL = 1286.4 \text{mg/m}^3$ | DNEL = 837.5mg/m <sup>3</sup>      |                                       |
| hydrotreated light  |                                                                           |                               |                                    |                                       |
| 64742-49-0 ( 100 )  |                                                                           |                               |                                    |                                       |

#### **Predicted No Effect Concentration (PNEC)**

No information available.

#### 8.2. Exposure controls

#### **Engineering Measures**

Use explosion-proof electrical/ventilating/lighting/equipment. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

Personal protective equipment

**Eye Protection** Wear safety glasses with side shields (or goggles) (European standard - EN 166)

**Hand Protection** Protective gloves

| Glove material | Breakthrough time | Glove thickness   | EU standard | Glove comments                           |
|----------------|-------------------|-------------------|-------------|------------------------------------------|
| Nitrile rubber | > 480 minutes     | 0.38 mm - 0.56 mm | Level 6     | As tested under EN374-3 Determination of |
| Viton (R)      | > 480 minutes     | 0.7 mm            | EN 374      | Resistance to Permeation by Chemicals    |
| Neoprene       | > 480 minutes     | 0.45 mm           |             |                                          |

Skin and body protection Impervious clothing.

Inspect gloves before use, observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information) gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, gloves with care avoiding skin contamination.

**Respiratory Protection** When workers are facing concentrations above the exposure limit they must use

appropriate certified respirators.

Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits Large scale/emergency use

are exceeded or if irritation or other symptoms are experienced

Recommended Filter type: Organic gases and vapours filter Type A Brown conforming to

EN14387

Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure Small scale/Laboratory use

limits are exceeded or if irritation or other symptoms are experienced.

Recommended half mask:- Valve filtering: EN405; or; Half mask: EN140; plus filter, EN

Liquid

141

**Environmental exposure controls** Prevent product from entering drains. Do not allow material to contaminate ground water

system.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical State** Liquid

Colorless **Appearance** 

Odor Petroleum distillates **Odor Threshold** No data available Melting Point/Range -90 °C / -130 °F **Softening Point** No data available

**Boiling Point/Range** 90 - 100 °C / 194 - 212 °F

Flammability (liquid) No data available On basis of test data

Flammability (solid,gas) Not applicable **Explosion Limits** 

Lower 1 vol% Upper 7 vol%

#### Heptane fraction from petroleum

Revision Date 18-Oct-2023

Flash Point -5 °C / 23 °F Method - No information available

Autoignition Temperature

Decomposition Temperature
pH

Viscosity

Viscosity

Value Solubility

Solubility in other solvents

246 °C / 474.8 °F

No data available

Not applicable
0.4 mPa s at 20 °C

practically insoluble
No information available

Solubility in other solvents

Partition Coefficient (n-octanol/water)

Component log Pow Naphtha, petroleum, hydrotreated light 4.66

Vapor Pressure 48 mbar @ 20 °C

 $\begin{array}{lll} \textbf{Density} & \textbf{Specific Gravity} & 0.68 - 0.72 & @ 20 \ ^{\circ}\text{C} \\ \textbf{Bulk Density} & 713 \ \text{kg/m}^{3} \ (15 \ ^{\circ}\text{C}) & \text{Liquid} \\ \textbf{Vapor Density} & 3.5 & (Air = 1.0) \end{array}$ 

Particle characteristics Not applicable (liquid)

9.2. Other information

Molecular Formula C7 H16 Molecular Weight 100.20

Explosive Properties Vapors may form explosive mixtures with air

**Evaporation Rate** 2.8 - (Butyl Acetate = 1.0)

## **SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity

None known, based on information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions**None under normal processing.

10.4. Conditions to avoid

Incompatible products. Heat, flames and sparks. Keep away from open flames, hot

surfaces and sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Product Information**

(a) acute toxicity;

OralBased on available data, the classification criteria are not metDermalBased on available data, the classification criteria are not metInhalationBased on available data, the classification criteria are not met

#### Heptane fraction from petroleum

Revision Date 18-Oct-2023

| Component                              | LD50 Oral          | LD50 Dermal           | LC50 Inhalation |
|----------------------------------------|--------------------|-----------------------|-----------------|
| Naphtha, petroleum, hydrotreated light | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 20 mg/l       |

(b) skin corrosion/irritation; Category 2

(c) serious eye damage/irritation; Based on available data, the classification criteria are not met

(d) respiratory or skin sensitization;

Respiratory Skin

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

Based on available data, the classification criteria are not met (e) germ cell mutagenicity;

(f) carcinogenicity; Based on available data, the classification criteria are not met

The table below indicates whether each agency has listed any ingredient as a carcinogen

| Component                        | EU           | UK | Germany | IARC |
|----------------------------------|--------------|----|---------|------|
| Naphtha, petroleum, hydrotreated | Carc Cat. 1B |    |         |      |
| light                            |              |    |         |      |

Based on available data, the classification criteria are not met (g) reproductive toxicity;

(h) STOT-single exposure; Category 3

Results / Target organs Central nervous system (CNS).

(i) STOT-repeated exposure; Based on available data, the classification criteria are not met

**Target Organs** None known.

Category 1 (j) aspiration hazard;

delayed

Symptoms / effects, both acute and Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness,

tiredness, nausea and vomiting.

11.2. Information on other hazards

**Endocrine Disrupting Properties** Assess endocrine disrupting properties for human health. This product does not contain any

known or suspected endocrine disruptors.

## **SECTION 12: ECOLOGICAL INFORMATION**

12.1. Toxicity

**Ecotoxicity effects** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment. The product contains following substances which are hazardous for the

environment.

| Component                              | Freshwater Fish        | Water Flea                | Freshwater Algae           |
|----------------------------------------|------------------------|---------------------------|----------------------------|
| Naphtha, petroleum, hydrotreated light | > 13.4 mg/l (LC50) 96h | 3 mg/l (EC50) 48h Daphnia | 10 mg/l (EC50) 72h Algae - |
|                                        | Onchorhyncus mykiss    | magna                     | Raphidocelis               |

12.2. Persistence and degradability Readily biodegradable

**Persistence** Immiscible with water, Persistence is unlikely, based on information available.

| Component                              | Degradability      |
|----------------------------------------|--------------------|
| Naphtha, petroleum, hydrotreated light | 98% (28d) OECD301F |
| 64742-49-0 ( 100 )                     |                    |

Degradation in sewage treatment plant

Contains substances known to be hazardous to the environment or not degradable in waste

water treatment plants.

12.3. Bioaccumulative potential Bioaccumulation is unlikely

| Component                              | log Pow | Bioconcentration factor (BCF) |
|----------------------------------------|---------|-------------------------------|
| Naphtha, petroleum, hydrotreated light | 4.66    | No data available             |

The product is insoluble and floats on water The product contains volatile organic 12.4. Mobility in soil

compounds (VOC) which will evaporate easily from all surfaces Will likely be mobile in the

environment due to its volatility. Disperses rapidly in air

12.5. Results of PBT and vPvB

assessment

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent

and very bioaccumulative (vPvB).

12.6. Endocrine disrupting

properties

**Endocrine Disruptor Information** 

This product does not contain any known or suspected endocrine disruptors

12.7. Other adverse effects

**Persistent Organic Pollutant Ozone Depletion Potential** 

This product does not contain any known or suspected substance This product does not contain any known or suspected substance

## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

Waste from Residues/Unused

**Products** 

Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

**Contaminated Packaging** 

Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and

empty container away from heat and sources of ignition.

**European Waste Catalogue (EWC)** 

According to the European Waste Catalog, Waste Codes are not product specific, but

application specific.

Other Information

Do not flush to sewer. Waste codes should be assigned by the user based on the application for which the product was used. Can be landfilled or incinerated, when in compliance with local regulations. Do not let this chemical enter the environment. Do not

empty into drains.

**Switzerland - Waste Ordinance** 

Disposal should be in accordance with applicable regional, national and local laws and regulations. Ordinance on the Avoidance and the Disposal of Waste (Waste Ordinance,

ADWO) SR 814.600

https://www.fedlex.admin.ch/eli/cc/2015/891/en

## **SECTION 14: TRANSPORT INFORMATION**

#### Heptane fraction from petroleum

#### IMDG/IMO

14.1. UN numberUN120614.2. UN proper shipping nameHEPTANES

14.3. Transport hazard class(es) 3 14.4. Packing group II

#### ADR

**14.1. UN number** UN1206 **14.2. UN proper shipping name** HEPTANES

14.3. Transport hazard class(es) 3 14.4. Packing group II

## <u>IATA</u>

14.1. UN numberUN120614.2. UN proper shipping nameHEPTANES

14.3. Transport hazard class(es) 3 14.4. Packing group II

14.5. Environmental hazards Dangerous for the environment

Product is a marine pollutant according to the criteria set by IMDG/IMO

14.6. Special precautions for user No special precautions required.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable, packaged goods

## **SECTION 15: REGULATORY INFORMATION**

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

#### **International Inventories**

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component                        | CAS No     | EINECS    | ELINCS | NLP | IECSC | TCSI | KECL | ENCS | ISHL |
|----------------------------------|------------|-----------|--------|-----|-------|------|------|------|------|
| Naphtha, petroleum, hydrotreated | 64742-49-0 | 927-510-4 | -      | -   | Х     | X    | х    | Х    | -    |
| light                            |            |           |        |     |       |      |      |      |      |

| Component                              | CAS No     | TSCA | TSCA Inventory<br>notification -<br>Active-Inactive | DSL | NDSL | AICS | NZIoC | PICCS |
|----------------------------------------|------------|------|-----------------------------------------------------|-----|------|------|-------|-------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | Т    | ACTIVE                                              | X   | -    | Х    | Х     | х     |

**Legend:** X - Listed '-' - Not Listed **KECL** - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

#### Authorisation/Restrictions according to EU REACH

| Component                              | CAS No     | REACH (1907/2006) -<br>Annex XIV - Substances<br>Subject to Authorization |                              | REACH Regulation (EC<br>1907/2006) article 59 -<br>Candidate List of<br>Substances of Very High<br>Concern (SVHC) |
|----------------------------------------|------------|---------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | -                                                                         | Use restricted. See item 28. | -                                                                                                                 |

FSUH0100

Revision Date 18-Oct-2023

#### Heptane fraction from petroleum

Revision Date 18-Oct-2023

|  | (see link for restriction |  |
|--|---------------------------|--|
|  | details)                  |  |
|  |                           |  |
|  | Use restricted. See item  |  |
|  | 29.                       |  |
|  | (see link for restriction |  |
|  | details)                  |  |
|  | Use restricted. See item  |  |
|  | 75.                       |  |
|  | (see link for restriction |  |
|  | details)                  |  |

#### **REACH links**

https://echa.europa.eu/substances-restricted-under-reach

#### Seveso III Directive (2012/18/EC)

| Component                              | CAS No     | Seveso III Directive (2012/18/EC) -<br>Qualifying Quantities for Major Accident<br>Notification | Seveso III Directive (2012/18/EC) -<br>Qualifying Quantities for Safety Report<br>Requirements |
|----------------------------------------|------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Naphtha, petroleum, hydrotreated light | 64742-49-0 | Not applicable                                                                                  | Not applicable                                                                                 |

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

## **National Regulations**

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

#### WGK Classification See table for values

| Component           | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|---------------------|---------------------------------------|-------------------------|
| Naphtha, petroleum, | WGK2                                  |                         |
| hydrotreated light  |                                       |                         |

| Component           | France - INRS (Tables of occupational diseases)      |
|---------------------|------------------------------------------------------|
| Naphtha, petroleum, | Tableaux des maladies professionnelles (TMP) - RG 84 |
| hydrotreated light  |                                                      |

#### **Swiss Regulations**

Article 4 para. 4 of the Ordinance on the protection of young people in the workplace (SR 822.115) and Article 1 lit. f of the EAER regulation on hazardous work and young people (SR 822.115.2).

Take note on Article 13 Maternity Ordinance (SR 822.111.52) with regards expectant and nursing mothers.

## 15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has been conducted by the manufacturer/importer

| SECTION 16: OTHER INFORMATION |
|-------------------------------|
|                               |

## Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

#### Legend

**CAS** - Chemical Abstracts Service

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances **IECSC** - Chinese Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

Substances List

**ENCS** - Japanese Existing and New Chemical Substances AICS - Australian Inventory of Chemical Substances NZIoC - New Zealand Inventory of Chemicals

WEL - Workplace Exposure Limit

ACGIH - American Conference of Governmental Industrial Hygienists

**DNEL** - Derived No Effect Level RPE - Respiratory Protective Equipment LC50 - Lethal Concentration 50%

NOEC - No Observed Effect Concentration PBT - Persistent, Bioaccumulative, Toxic

TWA - Time Weighted Average

VOC - (volatile organic compound)

IARC - International Agency for Research on Cancer

Predicted No Effect Concentration (PNEC)

LD50 - Lethal Dose 50% EC50 - Effective Concentration 50% POW - Partition coefficient Octanol:Water vPvB - very Persistent, very Bioaccumulative

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

**OECD** - Organisation for Economic Co-operation and Development

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association

MARPOL - International Convention for the Prevention of Pollution from

Ships ATE - Acute Toxicity Estimate

**BCF** - Bioconcentration factor

Key literature references and sources for data

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

## https://echa.europa.eu/information-on-chemicals

#### **Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

Fire prevention and fighting, identifying hazards and risks, static electricity, explosive atmospheres posed by vapours and dusts. Chemical incident response training.

14-Sep-2009 **Creation Date Revision Date** 18-Oct-2023 **Revision Summary** Not applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006

For Switzerland - Compiled in accordance with the technical provisions referred to in Annex 2, Number 3, ChemO (SR 813.11 - Ordinance on Protection against Dangerous Substances and Preparations).

#### **Disclaimer**

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

Heptane fraction from petroleum

Revision Date 18-Oct-2023

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

**End of Safety Data Sheet**