

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

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

1.1 Product identifier

Trade name	: C Naphtha
Product code	: X3611
CAS-No.	: 64741-42-0

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

Use of the Substance/Mixture	: Please refer to section 16 and/or the annexes for the registered uses under REACH. Refinery stream.
Uses advised against	: This product must not be used in applications other than those listed in Section 1 without first seeking the advice of the supplier.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier	: Shell Chemicals Europe B.V. PO Box 2334 3000 CH Rotterdam Netherlands
Telephone	: +31 (0)10 441 5137 / +31 (0)10 441 5191
Telefax	: +31 (0)20 716 8316 / +31 (0)20 713 9230
Contact for Safety Data Sheet	: sccmsds@shell.com

1.4 Emergency telephone number

+44 (0) 1235 239 670
National Poison Information Centre (NVIC): Tel. nr. +31(0)88 755 8000 (24 hrs a day and 7 days a week).
Only for the purpose of informing medical personnel.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 1	H224: Extremely flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1	Revision Date: 28.03.2024	SDS Number: 800010061089	Date of last issue: 11.03.2024 Print Date 04.04.2024
----------------	------------------------------	-----------------------------	---

Reproductive toxicity, Category 2	H361: Suspected of damaging fertility or the unborn child.
Germ cell mutagenicity, Category 1B	H340: May cause genetic defects.
Carcinogenicity, Category 1B	H350: May cause cancer.
Specific target organ toxicity - single exposure, Category 3, Inhalation, Narcotic effects	H336: May cause drowsiness or dizziness.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :

PHYSICAL HAZARDS:

H224 Extremely flammable liquid and vapour.

HEALTH HAZARDS:

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

H361 Suspected of damaging fertility or the unborn child.

H340 May cause genetic defects.

H350 May cause cancer.

H336 May cause drowsiness or dizziness.

ENVIRONMENTAL HAZARDS:

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

P201 Obtain special instructions before use.

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P331 Do NOT induce vomiting.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Storage:

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

Liquid evaporates quickly and can ignite leading to a flash fire, or an explosion in a confined space.

A component or components of this material may cause cancer.

This product contains benzene which may cause leukaemia (AML - acute myelogenous leukaemia).

This material is a static accumulator.

Even with proper grounding and bonding, this material can still accumulate an electrostatic charge.

If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapour mixtures can occur.

May cause MDS (Myelodysplastic Syndrome).

Hydrogen sulphide (H₂S), an extremely flammable and toxic gas, and other hazardous vapours may evolve and collect in the headspace of storage tanks, transport vessels and other enclosed containers.

SECTION 3: Composition/information on ingredients

3.1 Substances

Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
naphtha (petroleum), full-range straight-run	64741-42-0 265-042-6	<= 100

Hydrogen sulphide may be present both in the liquid and the vapour. Composition is complex and varies with the source of the crude oil and the contributing process plants at that time.

Further information

Contains:

Chemical name	Identification number	Classification	Concentration (% w/w)
Toluene	108-88-3, 203-625-9	Flam. Liq.2; H225 Asp. Tox.1; H304 Skin Irrit.2; H315 STOT SE3; H336 Repr.2; H361d STOT RE2; H373 Aquatic Chronic3; H412	1 - 5
Xylene, mixed isomers	1330-20-7, 215-535-7	Flam. Liq.3; H226 Asp. Tox.1; H304 Acute Tox.4; H312	>= 1 - <= 5

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1 Revision Date: 28.03.2024 SDS Number: 800010061089 Date of last issue: 11.03.2024
Print Date 04.04.2024

		Skin Irrit.2; H315 Eye Irrit.2; H319 Acute Tox.4; H332 STOT SE3; H335 STOT RE2; H373 Aquatic Chronic3; H412	
Ethylbenzene	100-41-4, 202-849-4	Flam. Liq.2; H225 Asp. Tox.1; H304 Skin Irrit.2; H315 Eye Irrit.2; H319 Acute Tox.4; H332 STOT SE3; H335 STOT RE2; H373 Aquatic Chronic3; H412	1 - 2
Cyclohexane	110-82-7, 203-806-2	Flam. Liq.2; H225 Asp. Tox.1; H304 Skin Irrit.2; H315 STOT SE3; H336 Aquatic Chronic1; H410 Aquatic Acute1; H400	1 - 5
Benzene	71-43-2, 200-753-7	Flam. Liq.2; H225 Asp. Tox.1; H304 Skin Irrit.2; H315 Eye Irrit.2; H319 Muta.1B; H340 Carc.1A; H350 STOT RE1; H372 Aquatic Chronic3; H412	1 - 5
n-Hexane	110-54-3, 203-777-6	Flam. Liq.2; H225 Skin Irrit.2; H315 Asp. Tox.1; H304 STOT RE2; H373 STOT SE3; H336 Repr.2; H361f Aquatic Chronic2; H411	5 - 20
Cumene	98-82-8, 202-704-5	Flam. Liq.3; H226 Asp. Tox.1; H304 STOT SE3; H335 Carc.1B; H350 Aquatic Chronic2; H411	0 - 1

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

SECTION 4: First aid measures

4.1 Description of first aid measures

- | | |
|----------------------------|--|
| General advice | : Not expected to be a health hazard when used under normal conditions.
Vapourisation of H ₂ S that has been trapped in clothing can be dangerous to rescuers. Maintain respiratory protection to avoid contamination from the victim to rescuer. Mechanical ventilation should be used to resuscitate if at all possible. |
| Protection of first-aiders | : When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings. |
| If inhaled | : Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. |
| In case of skin contact | : Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment. |
| In case of eye contact | : Flush eye with copious quantities of water.
Remove contact lenses, if present and easy to do. Continue rinsing.
If persistent irritation occurs, obtain medical attention. |
| If swallowed | : Call emergency number for your location / facility.
If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3°C), shortness of breath, chest congestion or continued coughing or wheezing. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|----------|---|
| Symptoms | : Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
The onset of respiratory symptoms may be delayed for several hours after exposure.
Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters.
Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision.
If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest |
|----------|---|

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

congestion, shortness of breath, and/or fever.

If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 101° F (38.3°C), shortness of breath, chest congestion or continued coughing or wheezing.

Carbon monoxide is an asphyxiant gas that binds competitively with hemoglobin to produce carboxyhaemoglobin. This may lead to significant reductions on oxygen carrying capacity and tissue hypoxia. Symptoms depend on inhaled concentration and duration of exposure. Exposures are cumulative, but reversal occurs in air free from carbon monoxide.

Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision.

Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically. Call a doctor or poison control center for guidance. Potential for chemical pneumonitis. Hydrogen sulphide (H ₂ S) - CNS asphyxiant. May cause rhinitis, bronchitis and occasionally pulmonary oedema after severe exposure. CONSIDER: Oxygen therapy. Consult a Poison Control Center for guidance.
-----------	---

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	: Do not use direct water jets on the burning product as they could cause a steam explosion and spread of the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting	: Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Unidentified organic and inorganic compounds. Carbon monoxide may be evolved if incomplete combustion occurs. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Will float and can be reignited on surface water.
---------------------------------------	---

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

Hydrogen sulphide (H₂S) and toxic sulphur oxides may be given off when this material is heated. Do not depend on sense of smell for warning.

5.3 Advice for firefighters

- Special protective equipment for firefighters : Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469).
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Clear fire area of all non-emergency personnel. If the fire cannot be extinguished the only course of action is to evacuate immediately. Keep adjacent containers cool by spraying with water. If possible remove containers from the danger zone. Contain residual material at affected sites to prevent material from entering drains (sewers), ditches, and waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : 6.1.1 For non emergency personnel:
Do not breathe fumes, vapour.
Do not operate electrical equipment.
6.1.2 For emergency responders:
Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area and evacuate all personnel. Attempt to disperse the gas or to direct its flow to a safe location for example by using fog sprays. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas meter. Vapour can travel for considerable distances both above and below the ground surface. Underground services (drains, pipelines, cable ducts) can provide preferential flow paths.

6.2 Environmental precautions

- Environmental precautions : Take measures to minimise the effects on groundwater. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Contain residual material at affected sites to prevent material from entering drains (sewers), ditches, and waterways.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Take precautionary measures against static discharges. For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For small liquid spills (< 1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

6.4 Reference to other sections

For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet., Notify authorities if any exposure to the general public or the environment occurs or is likely to occur., For guidance on disposal of spilled material see Section 13 of this Safety Data Sheet., Local authorities should be advised if significant spillages cannot be contained., Maritime spillages should be dealt with using a Shipboard Oil Pollution Emergency Plan (SOPEP), as required by MARPOL Annex 1 Regulation 26.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures : Avoid breathing of or direct contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet. Prevent spillages. Do not use as a cleaning solvent or other non-motor fuel uses. Turn off all battery operated portable electronic devices (examples include: cellular phones, pagers and CD players) before operating gasoline pump. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse. Air-dry contaminated clothing in a well-ventilated area before laundering. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Avoid contact with skin, eyes and clothing.

Advice on safe handling : Ensure that all local regulations regarding handling and storage facilities are followed. When using do not eat or drink. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Never siphon by mouth. The vapour is heavier than air, spreads along the ground and

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1	Revision Date: 28.03.2024	SDS Number: 800010061089	Date of last issue: 11.03.2024 Print Date 04.04.2024
----------------	------------------------------	-----------------------------	---

distant ignition is possible.
Avoid exposure.
Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols.
Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.

The inherent toxic and olfactory (sense of smell) fatiguing properties of hydrogen sulphide require that air monitoring alarms be used if concentrations are expected to reach harmful levels such as in enclosed spaces, heated transport vessels and spill or leak situations. If the air concentration exceeds 10 ppm, the area should be evacuated unless respiratory protection is in use.

- Product Transfer : Wait 2 minutes after tank filling (for tanks such as those on road tanker vehicles) before opening hatches or manholes. Wait 30 minutes after tank filling (for large storage tanks) before opening hatches or manholes. Even with proper grounding and bonding, this material can still accumulate an electrostatic charge. If sufficient charge is allowed to accumulate, electrostatic discharge and ignition of flammable air-vapour mixtures can occur. Be aware of handling operations that may give rise to additional hazards that result from the accumulation of static charges. These include but are not limited to pumping (especially turbulent flow), mixing, filtering, splash filling, cleaning and filling of tanks and containers, sampling, switch loading, gauging, vacuum truck operations, and mechanical movements. These activities may lead to static discharge e.g. spark formation. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/s until fill pipe submerged to twice its diameter, then ≤ 7 m/s). Avoid splash filling. Do NOT use compressed air for filling, discharging, or handling operations.
- Hygiene measures : Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

7.2 Conditions for safe storage, including any incompatibilities

- Further information on storage stability : Tank storage:
Tanks must be specifically designed for use with this product. Bulk storage tanks should be diked (bunded).
Locate tanks away from heat and other sources of ignition. Cleaning, inspection and maintenance of storage tanks is a specialist operation, which requires the implementation of strict procedures and precautions.
Keep in a cool place.
Electrostatic charges will be generated during pumping.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1 Revision Date: 28.03.2024 SDS Number: 800010061089 Date of last issue: 11.03.2024
Print Date 04.04.2024

- Packaging material : Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment to reduce the risk.
The vapours in the head space of the storage vessel may lie in the flammable/explosive range and hence may be flammable.
Refer to section 15 for any additional specific legislation covering the packaging and storage of this product.
- Container Advice : Suitable material: For containers, or container linings use mild steel, stainless steel., Aluminium may also be used for applications where it does not present an unnecessary fire hazard., Examples of suitable materials are: high density polyethylene (HDPE), polypropylene (PP), and Viton (FKM), which have been specifically tested for compatibility with this product., For container linings, use amine-adduct cured epoxy paint., For seals and gaskets use: graphite, PTFE, Viton A, Viton B.
Unsuitable material: Some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Examples of materials to avoid are: natural rubber (NR), nitrile rubber (NBR), ethylene propylene rubber (EPDM), polymethyl methacrylate (PMMA), polystyrene, polyvinyl chloride (PVC), polyisobutylene., However, some may be suitable for glove materials.

7.3 Specific end use(s)

- Specific use(s) : Please refer to section 16 and/or the annexes for the registered uses under REACH.
- See additional references that provide safe handling practices for liquids that are determined to be static accumulators: American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practices on Static Electricity).
IEC/TS 60079-32-1: Electrostatic hazards, guidance

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Toluene	108-88-3	TLV-8hr	39 ppm 150 mg/m ³	NL WG
Toluene		TLV-15 min	100 ppm	NL WG

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version
2.1

Revision Date:
28.03.2024

SDS Number:
800010061089

Date of last issue: 11.03.2024
Print Date 04.04.2024

			384 mg/m3	
Toluene		TWA	50 ppm 192 mg/m3	2006/15/EC
	Further information: Indicative, Identifies the possibility of significant uptake through the skin			
Toluene		STEL	100 ppm 384 mg/m3	2006/15/EC
	Further information: Indicative, Identifies the possibility of significant uptake through the skin			
Xylene	1330-20-7	TLV-8hr	47,5 ppm 210 mg/m3	NL WG
	Further information: Skin notation			
Xylene		TLV-15 min	100 ppm 442 mg/m3	NL WG
	Further information: Skin notation			
Ethylbenzene	100-41-4	TLV-8hr	48,6 ppm 215 mg/m3	NL WG
	Further information: Skin notation			
Ethylbenzene		TLV-15 min	97,3 ppm 430 mg/m3	NL WG
	Further information: Skin notation			
Cyclohexane	110-82-7	TLV-8hr	200 ppm 700 mg/m3	NL WG
Cyclohexane		TLV-15 min	400 ppm 1.400 mg/m3	NL WG
Cyclohexane		TWA	200 ppm 700 mg/m3	2006/15/EC
	Further information: Indicative			
Benzene	71-43-2	TLV-8hr	0,2 ppm 0,7 mg/m3	NL WG
	Further information: Carcinogenic substances, based on the threshold limit effect, Skin notation			
Benzene		TWA	0,25 ppm 0,8 mg/m3	Shell Internal Standard (SIS) for 8-12 hour TWA.
Benzene		STEL	2,5 ppm 8 mg/m3	Shell Internal Standard (SIS) for 15 min (STEL)
n-Hexane	110-54-3	TLV-8hr	72 mg/m3	NL WG
n-Hexane		TLV-15 min	144 mg/m3	NL WG
n-Hexane		TWA	20 ppm 72 mg/m3	2006/15/EC
	Further information: Indicative			
Cumene	98-82-8	TLV-8hr	10 ppm 50 mg/m3	NL WG
	Further information: Skin notation			
Cumene		TLV-15 min	50 ppm 250 mg/m3	NL WG
	Further information: Skin notation			

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1 Revision Date: 28.03.2024 SDS Number: 800010061089 Date of last issue: 11.03.2024
Print Date 04.04.2024

Cumene		TWA	10 ppm 50 mg/m ³	2019/1831/E U
	Further information: A skin notation assigned to the occupational exposure limit value indicates the possibility of significant uptake through the skin., Indicative			
Cumene		STEL	50 ppm 250 mg/m ³	2019/1831/E U
	Further information: A skin notation assigned to the occupational exposure limit value indicates the possibility of significant uptake through the skin., Indicative			

Biological occupational exposure limits

No biological limit allocated.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Toluene	Workers	Inhalation	Acute systemic effects	384 mg/m ³
Toluene	Workers	Inhalation	Long-term systemic effects	192 mg/m ³
Toluene	Workers	Dermal	Long-term systemic effects	180 mg/kg bw/day
Toluene	Consumers	Inhalation	Acute systemic effects	226 mg/m ³
Toluene	Consumers	Inhalation	Long-term systemic effects	56,5 mg/m ³
Toluene	Consumers	Dermal	Long-term systemic effects	226 mg/kg bw/day
Toluene	Consumers	Oral	Long-term systemic effects	8,13 mg/kg bw/day
Ethylbenzene	Workers	Inhalation	Acute local effects	293 mg/m ³
Ethylbenzene	Workers	Inhalation	Long-term systemic effects	77 mg/m ³
Ethylbenzene	Workers	Dermal	Long-term systemic effects	180 mg/kg bw/day
Ethylbenzene	Consumers	Inhalation	Long-term systemic effects	15 mg/m ³
Ethylbenzene	Consumers	Oral	Long-term systemic effects	1,6 mg/kg bw/day
Benzene	Workers	Inhalation	Long-term systemic effects	0,8 mg/m ³ / 8h

8.2 Exposure controls

Engineering measures

Read in conjunction with the Exposure Scenario for your specific use contained in the Annex.
The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include:

Use sealed systems as far as possible.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

Adequate explosion-proof ventilation to control airborne concentrations below the exposure guidelines/limits.

Local exhaust ventilation is recommended.

Eye washes and showers for emergency use.

Prevent unauthorised persons entering the zone.

Firewater monitors and deluge systems are recommended.

General Information:

Consider technical advances and process upgrades (including automation) for the elimination of releases. Minimise exposure using measures such as closed systems, dedicated facilities and suitable general/local exhaust ventilation. Drain down systems and clear transfer lines prior to breaking containment. Clean/flush equipment, where possible, prior to maintenance. Where there is potential for exposure: restrict access to authorised persons; provide specific activity training to operators to minimise exposures; wear suitable gloves and coveralls to prevent skin contamination; wear respiratory protection when there is potential for inhalation; clear up spills immediately and dispose of wastes safely. Ensure safe systems of work or equivalent arrangements are in place to manage risks. Regularly inspect, test and maintain all control measures. Consider the need for risk based health surveillance.

Do not ingest. If swallowed, then seek immediate medical assistance.

Personal protective equipment

Read in conjunction with the Exposure Scenario for your specific use contained in the Annex.

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

The provided information is made in consideration of the PPE directive (Council Directive 89/686/EEC) and the CEN European Committee for Standardisation (CEN) standards.

Eye protection : Wear goggles for use against liquids and gas.
If a local risk assessment deems it so then chemical splash goggles may not be required and safety glasses may provide adequate eye protection.

Approved to EU Standard EN166.

Hand protection

Remarks : Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves offering this level of protection may not be available.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1	Revision Date: 28.03.2024	SDS Number: 800010061089	Date of last issue: 11.03.2024 Print Date 04.04.2024
----------------	------------------------------	-----------------------------	---

ble and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material.

Select gloves tested to a relevant standard (e.g. Europe EN374, US F739). When prolonged or frequent repeated contact occurs, Nitrile gloves may be suitable. (Breakthrough time of > 240 minutes.) For incidental contact/splash protection Neoprene, PVC gloves may be suitable.

Glove thickness should be typically greater than 0.35 mm depending on the glove make and model.

Skin and body protection : Wear chemical resistant gloves/gauntlets and boots. Where risk of splashing, also wear an apron.

Protective clothing approved to EU Standard EN14605.

Respiratory protection : If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus. All respiratory protection equipment and use must be in accordance with local regulations.

Select a filter suitable for combined particulate/organic gases and vapours [Type A/Type P boiling point > 65°C (149°F)] meeting EN14387 and EN143.

In areas where hydrogen sulphide vapours may accumulate, a positive-pressure air-supplied respirator is advised.

Thermal hazards : Not applicable

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Colour	: Not applicable
Odour	: Not applicable

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

Odour Threshold	:	Data not available
Melting point/freezing point	:	Data not available
Initial boiling point and boiling range	:	30 - 220 °CMethod: Unspecified
Flammability		
Flammability (solid, gas)	:	Not applicable
Lower explosion limit and upper explosion limit / flammability limit		
Upper explosion limit / upper flammability limit	:	7,60 %(V)
Lower explosion limit / Lower flammability limit	:	1,40 %(V)
Flash point	:	<= -40 °C Method: Unspecified
Auto-ignition temperature	:	280 - 470 °C
Decomposition temperature		
Decomposition temperature	:	Data not available
pH	:	Data not available
Viscosity		
Viscosity, kinematic	:	0,25 - 0,75 mm ² /s (40 °C) Method: Unspecified
Solubility(ies)		
Water solubility	:	Data not available
Solubility in other solvents	:	Data not available
Partition coefficient: n-octanol/water	:	log Pow: 2 - 7
Vapour pressure	:	20 - 162 kPa (50,0 °C) Method: Unspecified 9 - 90 kPa (38,0 °C) Method: Unspecified
Relative density	:	Data not available
Density	:	640 - 760 kg/m ³ (15,0 °C) Method: Unspecified

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

Relative vapour density : Data not available

Particle characteristics
Particle size : Data not available

9.2 Other information

Explosive properties : Classification Code: Not classified

Oxidizing properties : Not applicable

Evaporation rate : Data not available

Conductivity : Low conductivity: < 100 pS/m, The conductivity of this material makes it a static accumulator., A liquid is typically considered nonconductive if its conductivity is below 100 pS/m and is considered semi-conductive if its conductivity is below 10,000 pS/m., Whether a liquid is nonconductive or semiconductive, the precautions are the same., A number of factors, for example liquid temperature, presence of contaminants, and anti-static additives can greatly influence the conductivity of a liquid

SECTION 10: Stability and reactivity

10.1 Reactivity

May oxidise in the presence of air.

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazardous reaction is expected when handled and stored according to provisions

10.4 Conditions to avoid

Conditions to avoid : Avoid heat, sparks, open flames and other ignition sources.

In certain circumstances product can ignite due to static electricity.

10.5 Incompatible materials

Materials to avoid : Strong oxidising agents.

10.6 Hazardous decomposition products

Hazardous decomposition products are not expected to form during normal storage.
Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, sulphur oxides and unidentified or-

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

ganic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.
Hydrogen sulphide.

SECTION 11: Toxicological information

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

Information on likely routes of exposure : Exposure may occur via inhalation, ingestion, skin absorption, skin or eye contact, and accidental ingestion.

Acute toxicity

Components:

naphtha (petroleum), full-range straight-run:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg
Remarks: Low toxicity

Acute inhalation toxicity : LC 50 (Rat): > 5 mg/l
Exposure time: 4 h
Remarks: Low toxicity

Remarks: Based on human experience, breathing of vapours or mists may cause a temporary burning sensation to nose, throat and lungs.

Acute dermal toxicity : LD 50 (Rabbit): > 2.000 mg/kg
Remarks: Low toxicity

Acute toxicity (other routes of administration) : Remarks: Exposure may occur via inhalation, ingestion, skin absorption, skin or eye contact, and accidental ingestion.

Skin corrosion/irritation

Components:

naphtha (petroleum), full-range straight-run:

Remarks : Irritating to skin.

Serious eye damage/eye irritation

Product:

Remarks : Irritating to eyes. (Hydrogen Sulfide)

Components:

naphtha (petroleum), full-range straight-run:

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

Remarks : Irritating to eyes. (Hydrogen Sulfide)
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Components:

naphtha (petroleum), full-range straight-run:

Remarks : Not a sensitiser.
Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Components:

naphtha (petroleum), full-range straight-run:

Genotoxicity in vivo : Remarks: Contains Benzene, CAS # 71-43-2.
May cause heritable genetic damage

Remarks: Mutagenicity studies on gasoline and gasoline blending streams have shown predominantly negative results.

Germ cell mutagenicity- Assessment : Category 1B

Carcinogenicity

Components:

naphtha (petroleum), full-range straight-run:

Remarks : Contains Benzene, CAS # 71-43-2.
Known human carcinogen.

Remarks : Contains Benzene, CAS # 71-43-2.
May cause leukaemia (AML - acute myelogenous leukaemia).
May cause MDS (Myelodysplastic Syndrome).

Remarks : Inhalation exposure to mice causes liver tumours, which are not considered relevant to humans.

Remarks : An epidemiology study of more than 18,000 petroleum marketing and distribution workers found no significantly increased risk of death from leukemia, multiple myeloma, or kidney cancer associated with gasoline exposure.

Carcinogenicity - Assessment : Category 1B

Material	GHS/CLP Carcinogenicity Classification
----------	--

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1 Revision Date: 28.03.2024 SDS Number: 800010061089 Date of last issue: 11.03.2024
Print Date 04.04.2024

Toluene	No carcinogenicity classification.
Xylene	No carcinogenicity classification.
Ethylbenzene	No carcinogenicity classification.
Cyclohexane	No carcinogenicity classification.
Benzene	Carcinogenicity Category 1A
n-Hexane	No carcinogenicity classification.
Cumene	Carcinogenicity Category 1B
naphtha (petroleum), full-range straight-run	Carcinogenicity Category 1B

Material	Other Carcinogenicity Classification
Toluene	IARC: Group 3: Not classifiable as to its carcinogenicity to humans
Xylene	IARC: Group 3: Not classifiable as to its carcinogenicity to humans
Ethylbenzene	IARC: Group 2B: Possibly carcinogenic to humans
Benzene	IARC: Group 1: Carcinogenic to humans
Cumene	IARC: Group 2B: Possibly carcinogenic to humans
naphtha (petroleum), full-range straight-run	IARC: Group 2B: Possibly carcinogenic to humans

Reproductive toxicity

Components:

naphtha (petroleum), full-range straight-run:

Effects on fertility : Remarks: Contains n-Hexane, CAS # 110-54-3., May impair fertility at doses which produce other toxic effects.

Reproductive toxicity - Assessment : This product does not meet the criteria for classification in categories 1A/1B.

STOT - single exposure

Product:

Remarks : Inhalation of vapours or mists cause irritation to the respiratory system. (Hydrogen Sulfide)

Components:

naphtha (petroleum), full-range straight-run:

Remarks : High concentrations may cause central nervous system de-

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

pression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

Remarks : Slightly irritating to respiratory system.

STOT - repeated exposure

Components:

naphtha (petroleum), full-range straight-run:

Remarks : Kidney: caused kidney effects in male rats which are not considered relevant to humans

Remarks : Contains Toluene, CAS # 108-88-3.
Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Abuse of vapours has been associated with organ damage and death.

Aspiration toxicity

Components:

naphtha (petroleum), full-range straight-run:

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

11.2 Information on other hazards

Further information

Product:

Remarks : H2S has a broad range of effects dependent on the airborne concentration and length of exposure: 0.02 ppm odour threshold, smell of rotten eggs; 10 ppm eye and respiratory tract irritation; 100 ppm coughing, headache, dizziness, nausea, eye irritation, loss of sense of smell in minutes; 200 ppm potential for pulmonary oedema after >20-30 minutes; 500 ppm loss of consciousness after short exposures, potential for respiratory arrest; >1000ppm immediate loss of consciousness, may lead rapidly to death, prompt cardiopulmonary resuscitation may be required. Do not depend on sense of smell for warning. H2S causes rapid olfactory fatigue (deadens sense of smell). There is no evidence that H2S will accumulate in the body tissue after repeated exposure.

Components:

naphtha (petroleum), full-range straight-run:

Remarks : Exposure to very high concentrations of similar materials has

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1	Revision Date: 28.03.2024	SDS Number: 800010061089	Date of last issue: 11.03.2024 Print Date 04.04.2024
----------------	------------------------------	-----------------------------	---

been associated with irregular heart rhythms and cardiac arrest.

Remarks : Classifications by other authorities under varying regulatory frameworks may exist.

SECTION 12: Ecological information

12.1 Toxicity

Components:

naphtha (petroleum), full-range straight-run:

Toxicity to fish	: Remarks: Toxic LL/EL/IL50 > 1 <= 10 mg/l
Toxicity to daphnia and other aquatic invertebrates	: Remarks: Toxic LL/EL/IL50 > 1 <= 10 mg/l
Toxicity to algae/aquatic plants	: Remarks: Toxic LL/EL/IL50 > 1 <= 10 mg/l
Toxicity to microorganisms	: Remarks: LL/EL/IL50 >10 <= 100 mg/l Harmful
Toxicity to fish (Chronic toxicity)	: Remarks: Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: Remarks: NOEC/NOEL > 1.0 - <= 10 mg/l

12.2 Persistence and degradability

Components:

naphtha (petroleum), full-range straight-run:

Biodegradability	: Remarks: Oxidises rapidly by photo-chemical reactions in air. Inherently biodegradable. Not Persistent per IMO criteria. International Oil Pollution Compensation (IOPC) Fund definition: "A non-persistent oil is oil, which, at the time of shipment, consists of hydrocarbon fractions, (a) at least 50% of which, by volume, distills at a temperature of 340°C (645°F) and (b) at least 95% of which, by volume, distills at a temperature of 370°C (700°F) when tested by the ASTM Method D-86/78 or any subsequent revision thereof."
------------------	--

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

12.3 Bioaccumulative potential

Components:

naphtha (petroleum), full-range straight-run:

Bioaccumulation : Remarks: Contains components with the potential to bioaccumulate.

12.4 Mobility in soil

Components:

naphtha (petroleum), full-range straight-run:

Mobility : Remarks: If the product enters soil, one or more constituents will or may be mobile and may contaminate groundwater., Floats on water., Evaporates within a day from water or soil surfaces.

12.5 Results of PBT and vPvB assessment

Components:

naphtha (petroleum), full-range straight-run:

Assessment : The substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII..

12.6 Endocrine disrupting properties

no data available

12.7 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Recover or recycle if possible.
It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
Waste product should not be allowed to contaminate soil or ground water, or be disposed of into the environment.
Do not dispose into the environment, in drains or in water courses.
Do not dispose of tank water bottoms by allowing them to drain into the ground. This will result in soil and groundwater contamination.
Waste arising from a spillage or tank cleaning should be disposed of in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
MARPOL - see International Convention for the Prevention of

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

Pollution from Ships (MARPOL 73/78) which provides technical aspects at controlling pollutions from ships.

Contaminated packaging : Drain container thoroughly.
After draining, vent in a safe place away from sparks and fire.
Residues may cause an explosion hazard.
Do not puncture, cut, or weld uncleaned drums.
Send to drum recoverer or metal reclaimer.
Do not pollute the soil, water or environment with the waste container.

Local legislation

Remarks : Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Local regulations may be more stringent than regional or national requirements and must be complied with.

EU Waste Disposal Code (EWC):
13 07 03* wastes of liquid fuels, other fuels (including mixtures).
The number given to waste is associated with the appropriate usage. The user must decide if their particular use results in another waste code being assigned.

SECTION 14: Transport information

14.1 UN number or ID number

ADN	: 1268
ADR	: 1268
RID	: 1268
IMDG	: 1268
IATA	: 1268

14.2 UN proper shipping name

ADN	: PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum), full-range straight run)
ADR	: PETROLEUM DISTILLATES, N.O.S.
RID	: PETROLEUM DISTILLATES, N.O.S.
IMDG	: PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum), full-range straight run)
IATA	: Petroleum distillates, n.o.s.

14.3 Transport hazard class(es)

ADN	: 3
ADR	: 3

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

RID : 3

IMDG : 3

IATA : 3

14.4 Packing group

ADN

Packing group : I

Classification Code : F1

Labels : 3 (F)

ADR

Packing group : I

Classification Code : F1

Hazard Identification Number : 33

Labels : 3

RID

Packing group : I

Classification Code : F1

Hazard Identification Number : 33

Labels : 3

IMDG

Packing group : I

Labels : 3

IATA

Packing group : I

Labels : 3

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

Remarks : Special Precautions: Refer to Section 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport.

14.7 Maritime transport in bulk according to IMO instruments

MARPOL Annex 1 rules apply for bulk shipments by sea.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Conditions of restriction for the following entries should be considered: naphtha (petroleum), full-range straight-run (Number on list 29, 28) Toluene (Number on list 48) Cyclohexane (Number on list 57) Benzene (Number on list 72, 5, 29, 28) Cumene (Number on list 28)
--	---

Other regulations:

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Product is subject to Major accident risk decision 2015 (BRZO+) based on Seveso III directive (2012/18/EU).

Product meets one or more criteria set for the Dutch list of 'substances of concern' (zeer zorgwekkende stoffen (ZZS)).

The components of this product are reported in the following inventories:

AIIC	: Listed
DSL	: Listed
IECSC	: Listed
ENCS	: Listed
KECI	: Listed
NZIoC	: Listed
PICCS	: Listed
TSCA	: Listed
TCSI	: Listed

15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version	Revision Date:	SDS Number:	Date of last issue: 11.03.2024
2.1	28.03.2024	800010061089	Print Date 04.04.2024

SECTION 16: Other information

Full text of other abbreviations

2006/15/EC	:	Europe. Indicative occupational exposure limit values
2019/1831/EU	:	Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values
NL WG	:	Netherlands. Law on Labour conditions - Occupational Exposure Limits
2006/15/EC / TWA	:	Limit Value - eight hours
2006/15/EC / STEL	:	Short term exposure limit
2019/1831/EU / TWA	:	Limit Value - eight hours
2019/1831/EU / STEL	:	Short term exposure limit
NL WG / TLV-8hr	:	Time Weighted Average
NL WG / TLV-15 min	:	Short Term Exposure Limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : This product is intended for use in closed systems only.

SAFETY DATA SHEET

According to EC No 1907/2006 as amended as at the date of this SDS

C Naphtha

Version 2.1	Revision Date: 28.03.2024	SDS Number: 800010061089	Date of last issue: 11.03.2024 Print Date 04.04.2024
----------------	------------------------------	-----------------------------	---

The substance does not fulfill all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Classification of the mixture:

Flam. Liq. 1	H224
Skin Irrit. 2	H315
Asp. Tox. 1	H304
Repr. 2	H361
Muta. 1B	H340
Carc. 1B	H350
STOT SE 3	H336
Aquatic Chronic 2	H411

Classification procedure:

On basis of test data.
Expert judgement and weight of evidence determination.
Expert judgement and weight of evidence determination.
Expert judgement and weight of evidence determination.
Expert judgement and weight of evidence determination.
Expert judgement and weight of evidence determination.
Expert judgement and weight of evidence determination.
Expert judgement and weight of evidence determination.

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 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.

NL / EN