



# SAFETY DATA SHEET

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Revision nr : 2.0

Issue date : 20/03/2018

Supersedes : 16/08/2016

## Naphtha (petroleum), heavy catalytic reformed

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

#### 1.1. Product identifier


Product form : Substance  
 Trade name/designation : Naphtha (petroleum), heavy catalytic reformed  
 Chemical name : Naphtha (petroleum), heavy catalytic reformed  
 EC Index : 649-300-00-9  
 EC-No. : 265-070-9  
 CAS-No. : 64741-68-0  
 REACH registration No : 01-2119485819-17-0017  
 Product group : Trade product

#### 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 : Fuels  
 Further information: see exposure scenarios attached to this safety data sheet.

Title	Use descriptors
Use as an intermediate (ES Ref.: 02e (Benz 20%-79%))	SU3, SU8, SU9, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC6a, ESVOC SPERC 6.1a.v1
Distribution (ES Ref.: 03e (Benz 20%-79%))	SU3, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Distribution (ES Ref.: 03e (Benz 20%-79%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Distribution (ES Ref.: 03e (Benz 20%-79%))	SU3, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC1, ERC2, ERC3, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Use as an intermediate (ES Ref.: 02e (Benz 20%-79%))	SU8, SU9, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC6a, ESVOC SPERC 6.1a.v1
Distribution (ES Ref.: 03e (Benz 20%-79%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Use as an intermediate (ES Ref.: 02b (Benz 0%-1%))	SU8, SU9, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC6a, ESVOC SPERC 6.1a.v1
Use as an intermediate (ES Ref.: 02c (Benz 1%-5%))	SU8, SU9, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC6a, ESVOC SPERC 6.1a.v1
Use as an intermediate (ES Ref.: 02d (Benz 5%-20%))	SU8, SU9, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC6a, ESVOC SPERC 6.1a.v1
Distribution (ES Ref.: 03b (Benz 0%-1%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Distribution (ES Ref.: 03c (Benz 1%-5%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Distribution (ES Ref.: 03d (Benz 5%-20%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7, ESVOC SPERC 1.1b.v1
Uses in coatings (ES Ref.: 05b (Benz 0%-1%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC4, ESVOC SPERC 4.3a.v1
Use in cleaning agents (ES Ref.: 07b (Benz 0%-1%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, ERC4, ESVOC SPERC 4.4a.v1
Use as a fuel (ES Ref.: 10b (Benz 0%-1%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16, ERC7, ESVOC SPERC 7.12a.v1
Use in rubber production and processing (ES Ref.: 13b (Benz 0%-1%))	SU10, SU11, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC9, PROC15, ERC4, ERC6d, ESVOC SPERC 4.19.v1
Use as a fuel (ES Ref.: 11b (Benz 0%-1%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC16, ERC9a, ERC9b, ESVOC SPERC 9.12b.v1

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Title	Use descriptors
Use as a fuel (ES Ref.: 12b (Benz 0%-1%))	PC13, ERC9a, ERC9b, ESVOC SPERC 9.12c.v1
Formulation & (re)packing of substances and mixtures (ES Ref.: 04 (Benz 20%-79%))	SU3, SU10, PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC2, ESVOC SPERC 2.2.v1
Formulation & (re)packing of substances and mixtures (ES Ref.: 04 (Benz 20%-79%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC2, ESVOC SPERC 2.2.v1
Formulation & (re)packing of substances and mixtures (ES Ref.: 04b (Benz 0%-1%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC2, ESVOC SPERC 2.2.v1
Formulation & (re)packing of substances and mixtures (ES Ref.: 04c (Benz 1%-5%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC2, ESVOC SPERC 2.2.v1
Formulation & (re)packing of substances and mixtures (ES Ref.: 04d (Benz 5%-20%))	PROC1, PROC2, PROC3, PROC8a, PROC8b, PROC15, ERC2, ESVOC SPERC 2.2.v1

Full text of use descriptors: see section 16

#### 1.2.2. Uses advised against

No data available

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

Trafigura Ventures V.B.V.  
Evert van de Beekstraat 1-82  
The Base, Tower B - 5th Floor  
1118 CL Schiphol - The Netherlands  
T +31 20 504 1800  
[TrafiguraReach@trafigura.com](mailto:TrafiguraReach@trafigura.com)

#### 1.4. Emergency telephone number

Emergency number : +32 3 575 03 30

This telephone number is available 24 hours per day, 7 days per week.


Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Flam. Liq. 1	H224
Skin Irrit. 2	H315
Muta. 1B	H340
Carc. 1B	H350
Repr. 2	H361fd

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STOT SE 3            H336  
 Asp. Tox. 1        H304  
 Aquatic Chronic 2 H411

Full text of H statements : see section 16

## 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word : Danger

Hazard statements (CLP) : H224 - Extremely flammable liquid and vapour.  
 H304 - May be fatal if swallowed and enters airways.  
 H315 - Causes skin irritation.  
 H336 - May cause drowsiness or dizziness.  
 H340 - May cause genetic defects.  
 H350 - May cause cancer.  
 H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.  
 H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P273 - Avoid release to the environment.  
 P280 - Wear eye protection, face protection, protective clothing, protective gloves.  
 P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/... Do NOT induce vomiting.  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

Extra phrases : Restricted to professional users

Listed in Annex VI : EC Index-No. : 649-300-00-9


## 2.3. Other hazards

Other hazards : PBT/vPvB data. This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Comments : UVCB  
 Substance name : Naphtha (petroleum), heavy catalytic reformed  
 CAS-No. : 64741-68-0  
 EC-No. : 265-070-9  
 EC Index : 649-300-00-9

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Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha (petroleum), heavy catalytic reformed	(CAS-No.) 64741-68-0 (EC-No.) 265-070-9 (EC Index) 649-300-00-9	100	Flam. Liq. 1, H224 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361fd STOT SE 3, H336 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

### **3.2. Mixtures**

Not applicable

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

Additional advice	: First aider: Pay attention to self-protection. See also section 8 . Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically. In case of doubt or persistent symptoms, consult always a physician.
Inhalation	: Keep at rest. Provide fresh air. Give oxygen or artificial respiration if necessary. Call a physician immediately.
Skin contact	: Take off immediately all contaminated clothing. Wash with plenty of water/. Wash contaminated clothing before reuse. In case of doubt or persistent symptoms, consult always a physician.
Eyes contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	: Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical advice/attention.

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

Inhalation	: Vapours may cause drowsiness and dizziness. The following symptoms may occur: Mental confusion. Cough. Headache .
Skin contact	: Irritating to skin. The following symptoms may occur: erythema (redness).
Eyes contact	: Contact with eyes may cause irritation.
Ingestion	: Harmful: may cause lung damage if swallowed.
Chronic symptoms	: May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child.

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

No data available


## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media	: Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
Unsuitable extinguishing media	: Strong water jet.

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

Specific hazards	: Heating causes rise in pressure with risk of bursting. Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. Do not allow run-off from fire-fighting to enter drains or water courses.
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Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>).

**5.3. Advice for firefighters**

Firefighting instructions : Evacuate personnel to a safe area. Special protective equipment for firefighters. . In case of fire: Wear self-contained breathing apparatus. Use water spray or fog for cooling exposed containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**SECTION 6: Accidental release measures**

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

**6.1.1. For non-emergency personnel**

For non-emergency personnel : Evacuate personnel to a safe area. Stay upwind/keep distance from source. Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin and eyes. Do not breathe vapour/aerosol. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

**6.1.2. For emergency responders**

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8 .

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Methods for cleaning up : Stop leak if safe to do so. Dam up. Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. Collect in closed and suitable containers for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Dispose of as special waste in compliance with local and national regulations. Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

**6.4. Reference to other sections**

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.


**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Precautions for safe handling : Provide adequate information, instruction and training for operators. Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol. Take precautionary measures against static discharges. Ensure equipment is adequately earthed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take any precaution to avoid mixing with combustibles... See also section 10. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains.

Hygiene measures

: Keep good industrial hygiene. Take off contaminated clothing. Wash hands and face before breaks and immediately after handling of the product. When using do not eat, drink or smoke. Separate working clothes from town clothes. Keep away from food, drink and animal feedingstuffs.

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

Technical measures : Storage of flammable liquids. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not store near or with any of the incompatible materials listed in section 10.

Packaging materials : Keep only in the original container.

### 7.3. Specific end use(s)

see attached exposure scenario.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Naphtha (petroleum), heavy catalytic reformed (64741-68-0)	
DNEL/DMEL (workers)	
Acute - systemic effects, inhalation	(15min) 1300 mg/m <sup>3</sup>
Acute - local effects, inhalation	(15min) 1100 mg/m <sup>3</sup>
Long-term - local effects, inhalation	(8h) 840 mg/m <sup>3</sup>
DNEL/DMEL (general population)	
Acute - systemic effects, inhalation	(15min) 1200 mg/m <sup>3</sup>
Acute - local effects, inhalation	(15min) 640 mg/m <sup>3</sup>
Long-term - local effects, inhalation	(24h) 180 mg/m <sup>3</sup>
PNEC (additional information)	
Additional information	Substance of unknown or variable composition, complex reaction products or biological material (UVCB). No data available

### 8.2. Exposure controls

Engineering measure(s) : Provide adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Closed system. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Take precautionary measures against static discharge. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7.

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.


Hand protection : The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. - rubber gloves. (EN 374): NBR (Nitrile rubber). Material thickness: >0,54mm. Breakthrough time : >360min. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Eye protection : Safety glasses (EN166)

Body protection : Wear suitable coveralls to prevent exposure to the skin

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Filter type: A (EN 141). Half-face mask (DIN EN 140). full face mask (DIN EN 136). Self-contained open-circuit compressed air breathing apparatus (EN 137)

Thermal hazard protection : Not required for normal conditions of use. Use dedicated equipment.

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## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: liquid.
Colour	: Yellow.
Odour	: petroleum hydrocarbon odour.
Odour threshold	: No data available
pH	: NA: UVCB
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: < -60 °C
Freezing point	: No data available
Initial boiling point and boiling range	: ca. 25 - 200 °C
Flash point	: < 0 °C
Auto-ignition temperature	: ca. 280 - 470 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable, liquid
Vapour pressure	: ca. 350 - 900 hPa @ 37,8°C
Vapour density	: No data available
Relative density	: ca. 0,68 - 0,79 @ 15°C
Solubility	: Water: slight (30 - 100 mg/l @ 20°C)
Partition coefficient n-octanol/water	: NA: UVCB
Kinematic viscosity	: No data available
Dynamic viscosity	: No data available
Explosive properties	: Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	: Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.
Explosive limits	: LEL: 1,4%-UEL:7,6%

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable. Reference to other sections: 10.5.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions


Vapours may form explosive mixture with air. See also section 7. Handling and storage.

### 10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. See also section 7. Handling and storage.

### 10.5. Incompatible materials

oxidising substances. See also section 7. Handling and storage.

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#### 10.6. Hazardous decomposition products

Carbon oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met.)

Naphtha (petroleum), heavy catalytic reformed (64741-68-0)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rat	> 2000 mg/kg
LC50/inhalation/4h/rat	> 5610 mg/m <sup>3</sup>

Naphtha (petroleum), heavy catalytic reformed (64741-68-0)	
LD50/oral/rat	4800 mg/kg
LD50/dermal/rat	> 2000 mg/kg
LC50/inhalation/4h/rat	5000 mg/m <sup>3</sup>

Skin corrosion/irritation : Causes skin irritation.  
pH: NA: UVCB

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met.)  
pH: NA: UVCB

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met.)

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer.

Reproductive toxicity : Suspected of damaging fertility. Suspected of damaging the unborn child.

STOT-single exposure : May cause drowsiness or dizziness.

Naphtha (petroleum), heavy catalytic reformed (64741-68-0)	
LOAEL, male, acute, Inhalation, Rat, systemic	4320 mg/m <sup>3</sup> (1 hours)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met.)

Aspiration hazard : May be fatal if swallowed and enters airways.

Naphtha (petroleum), heavy catalytic reformed (64741-68-0)	
Kinematic viscosity	< 1 mm <sup>2</sup> /s (@ 40 °C)

Other information : Symptoms related to the physical, chemical and toxicological characteristics.  
Reference to other sections: 4.2.


### SECTION 12: Ecological information

#### 12.1. Toxicity

Environmental properties : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Naphtha (petroleum), heavy catalytic reformed (64741-68-0)	
LL50, fish, acute, Freshwater, Pimephales promelas (fathead minnow)	8.2 mg/l (96 hours, equivalent or similar to EPA 66013-75-009)
NOELR, fish, Chronic, Freshwater, Pimephales promelas (fathead minnow)	2.6 mg/l (14 days, OECD 204)
EL50, daphnia, acute, Freshwater, daphnia	4.5 mg/l (48 hours, OECD Test Guideline 202)
NOELR, daphnia, Chronic, Freshwater, daphnia	2.6 mg/l (21 days, OECD 211)



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<b>Naphtha (petroleum), heavy catalytic reformed (64741-68-0)</b>	
EL50, algae, Freshwater, Pseudokirchneriella subcapitata	3.1 mg/l (72 hours, OECD Test Guideline 201)
LL50, microorganisms, Freshwater, Tetrahymena pyriformis	15.41 mg/l (72 hours, Quantitative structure-activity relationship (QSAR))

<b>Naphtha (petroleum), heavy catalytic reformed (64741-68-0)</b>	
LC50 fish 1	8,2 mg/l
EC50 Daphnia 1	4,5 mg/l

### 12.2. Persistence and degradability

<b>Naphtha (petroleum), heavy catalytic reformed (64741-68-0)</b>	
Persistence and degradability	Not applicable.

### 12.3. Bioaccumulative potential

<b>Naphtha (petroleum), heavy catalytic reformed (64741-68-0)</b>	
Partition coefficient n-octanol/water	NA: UVCB

### 12.4. Mobility in soil

<b>Naphtha (petroleum), heavy catalytic reformed (64741-68-0)</b>	
Ecology - soil	No data available.

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations


### 13.1. Waste treatment methods






Product/Packaging disposal recommendations	: Handle with care. Safe handling: see section 7. Handling and storage. Dispose of contaminated materials in accordance with current regulations. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility.
Additional information	: Do not puncture or incinerate. Do not burn, or use a cutting torch on the empty drum. Delivery to an approved waste disposal company.
Further ecological information	: Do not allow to enter into surface water or drains.
European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC)	: Classified as hazardous waste according to European Union regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. The following Waste Codes are only suggestions: 130702 - petrol 150110 - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

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


ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
1268	1268	1268	1268	1268
<b>14.2. UN proper shipping name</b>				
PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),	PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),	Petroleum distillates, n.o.s. (Naphtha (petroleum), heavy	PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),	PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum),


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ADR	IMDG	IATA	ADN	RID
heavy catalytic reformed)	heavy catalytic reformed)	catalytic reformed)	heavy catalytic reformed)	heavy catalytic reformed)
<b>Transport document description</b>				
UN 1268 PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum), heavy catalytic reformed), 3, I, (D/E)	UN 1268 PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum), heavy catalytic reformed), 3, I	UN 1268 Petroleum distillates, n.o.s. (Naphtha (petroleum), heavy catalytic reformed), 3, I	UN 1268 PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum), heavy catalytic reformed), 3, I	UN 1268 PETROLEUM DISTILLATES, N.O.S. (Naphtha (petroleum), heavy catalytic reformed), 3, I
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				
<b>14.4. Packing group</b>				
I	I	I	I	I
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
ADN :N2				

**14.6. Special precautions for user**

**- Overland transport**

Classification code (ADR) : F1  
 Special provisions : 664  
 Limited quantities (ADR) : 500ml  
 Excepted quantities (ADR) : E3  
 Packing instructions (ADR) : P001  
 Mixed packing provisions (ADR) : MP7, MP17  
 Portable tank and bulk container instructions (ADR) : T11  
 Portable tank and bulk container special provisions (ADR) : TP1, TP8  
 Tank code (ADR) : L4BN  
 Vehicle for tank carriage : FL  
 Transport category (ADR) : 1  
 Special provisions for carriage - Operation (ADR) : S2, S20  
 Hazard identification number (Kemler No.) : 33  
 Orange plates :   
 Tunnel restriction code : D/E  
 EAC code : 3YE

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**- Transport by sea**

Limited quantities (IMDG) : 500 ml  
 Excepted quantities (IMDG) : E3  
 Packing instructions (IMDG) : P001  
 Tank instructions (IMDG) : T11  
 Tank special provisions (IMDG) : TP1, TP8  
 EmS-No. (Fire) : F-E  
 EmS-No. (Spillage) : S-E  
 Stowage category (IMDG) : E  
 Properties and observations (IMDG) : Immiscible with water.

**- Air transport**

PCA Excepted quantities (IATA) : E3  
 PCA Limited quantities (IATA) : Forbidden  
 PCA limited quantity max net quantity (IATA) : Forbidden  
 PCA packing instructions (IATA) : 351  
 PCA max net quantity (IATA) : 1L  
 CAO packing instructions (IATA) : 361  
 CAO max net quantity (IATA) : 30L  
 Special provisions (IATA) : A3  
 ERG code (IATA) : 3H

**- Inland waterway transport**


Classification code (ADN) : F1  
 Limited quantities (ADN) : 500 ml  
 Excepted quantities (ADN) : E3  
 Carriage permitted (ADN) : T  
 Equipment required (ADN) : PP, EX, A  
 Ventilation (ADN) : VE01  
 Number of blue cones/lights (ADN) : 1

**- Rail transport**

Classification code (RID) : F1  
 Excepted quantities (RID) : E3  
 Packing instructions (RID) : P001  
 Mixed packing provisions (RID) : MP7, MP17  
 Portable tank and bulk container instructions (RID) : T11  
 Portable tank and bulk container special provisions (RID) : TP1, TP8  
 Tank codes for RID tanks (RID) : L4BN  
 Transport category (RID) : 1  
 Hazard identification number (RID) : 33

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

Code: IBC : MARPOL Annex II Cat. Y.

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## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Naphtha (petroleum), heavy catalytic reformed
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Naphtha (petroleum), heavy catalytic reformed
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Naphtha (petroleum), heavy catalytic reformed
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Naphtha (petroleum), heavy catalytic reformed
28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Carcinogen category 1A or 1B (Table 3.1) or Carcinogen category 1 or 2 (Table 3.2) and listed as follows: Carcinogen category 1A (Table 3.1)/Carcinogen category 1 (Table 3.2) listed in Appendix 1 Carcinogen category 1B (Table 3.1)/Carcinogen category 2 (Table 3.2) listed in Appendix 2	Naphtha (petroleum), heavy catalytic reformed - Naphtha (petroleum), heavy catalytic reformed
29. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Germ cell Mutagen category 1A or 1B (Table 3.1) or Mutagen category 1 or 2 (Table 3.2) and listed as follows: Mutagen category 1A (Table 3.1)/Mutagen category 1 (Table 3.2) listed in Appendix 3 Mutagen category 1B (Table 3.1)/Mutagen category 2 (Table 3.2) listed in Appendix 4	Naphtha (petroleum), heavy catalytic reformed - Naphtha (petroleum), heavy catalytic reformed
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Naphtha (petroleum), heavy catalytic reformed - Naphtha (petroleum), heavy catalytic reformed

Naphtha (petroleum), heavy catalytic reformed is not on the REACH Candidate List

Naphtha (petroleum), heavy catalytic reformed is not on the REACH Annex XIV List

#### 15.1.2. National regulations


##### France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
4510.text	Dangereux pour l'environnement aquatique de catégorie aiguë 1 ou chronique 1.		
4510.1	La quantité totale susceptible d'être présente dans l'installation étant : 1. Supérieure ou égale à 100 t Quantité seuil bas au sens de l'article R. 511-10 : 100 t. Quantité seuil haut au sens de l'article R. 511-10 : 200 t.	A	1
4510.2	La quantité totale susceptible d'être présente dans l'installation étant : 2. Supérieure ou égale à 20 t mais inférieure à 100 t Quantité seuil bas au sens de l'article R. 511-10 : 100 t. Quantité seuil haut au sens de l'article R. 511-10 : 200 t.	DC	

##### Germany

Reference to AwSV

: Water hazard class (WGK) 3, severe hazard to waters (Classification according to AwSV; ID No. 9162)

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Risk classification according to VbF : A I - Liquids with a flashpoint below 21°C  
 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

TA Luft : Mutagenetic

**Netherlands**

Waterbezwaarlijkheid : 2 - Toxic to aquatic organisms A (2)  
 SZW-lijst van kankerverwekkende stoffen : Naphtha (petroleum), heavy catalytic reformed is listed  
 SZW-lijst van mutagene stoffen : Naphtha (petroleum), heavy catalytic reformed is listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

**Denmark**

Recommendations Danish Regulation : The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has been carried out


**SECTION 16: Other information**

Indication of changes:

1		Modified	
2		Modified	
5		Modified	
9		Modified	
15		Modified	
16		Modified	

Abbreviations and acronyms:

ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
N = Dangerous for the environment
TWA = time weighted average
vPvB = very persistent and very bioaccumulating
WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)
T = Toxic
TLV = Threshold limits
STEL = Short term exposure limit
DNEL = Derived No Effect Level
CSR = Chemical Safety Report

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	EC50 = Median Effective Concentration
	UVCB = Substance of unknown or variable composition, complex reaction products or biological material (UVCB)

Sources of key data used to compile the datasheet : European Chemicals Bureau CSR Low Boiling Point Naphthas Concawe.

Training advice : Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

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
Carc. 1B	Carcinogenicity, Category 1B
Flam. Liq. 1	Flammable liquids, Category 1
Muta. 1B	Germ cell mutagenicity, hazard categories 1B
Repr. 2	Reproductive toxicity, Hazard Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H224	Extremely flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
	Restricted to professional users

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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