



# Safety Data Sheet

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

## LEU MP

Version number: 3.0  
Replaces version of: 2015-08-21 (1)

Revision: 2020-09-17  
First version: 2015-08-21

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

#### 1.1 Product identifier

**Trade name** LEU MP  
**Registration number (REACH)** Not relevant (mixture).  
**CAS number** not relevant (mixture)

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

**Relevant identified uses** Impregnation

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

Uniter Chemie GmbH Telephone: ++49 (0) 2153 - 9789-0  
Lötscher Weg 48 Telefax: ++49 (0) 2153 - 9789-29  
D-41334 Nettetal e-mail: info@uniter.com  
Germany

**e-mail (competent person)** info@uniter.com

**National contact** ++49 (0) 2153 - 9789 - 15

#### 1.4 Emergency telephone number

As above or nearest toxicological information centre.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	3	Flam. Liq. 3	H226
3.9	specific target organ toxicity - repeated exposure	2	STOT RE 2	H373
3.10	aspiration hazard	1	Asp. Tox. 1	H304

For full text of abbreviations: see SECTION 16

## The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure.  
The product is combustible and can be ignited by potential ignition sources.  
Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

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

**Signal word** danger

### Pictograms

**GHS02, GHS08**



### Hazard statements

**H226** Flammable liquid and vapour.  
**H304** May be fatal if swallowed and enters airways.  
**H373** May cause damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled).

### Precautionary statements

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P243** Take action to prevent static discharges.  
**P260** Do not breathe mist/vapours/spray.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.  
**P301+P310** IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
**P302+P352** IF ON SKIN: Wash with plenty of soap and water.  
**P308+P311** IF exposed or concerned: Call a POISON CENTER/doctor.  
**P331** Do NOT induce vomiting.  
**P403+P235** Store in a well-ventilated place. Keep cool.  
**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

### Supplemental hazard information

**EUH066** Repeated exposure may cause skin dryness or cracking.

**Hazardous ingredients for labelling** hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics  
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
white mineral oil (petroleum)

## 2.3 Other hazards

There is no additional information.

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

#### Description of the mixture

Hazardous ingredients				
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC No 918-481-9  REACH Reg. No 01-2119457273-39- xxxx	75 – < 90	Asp. Tox. 1 / H304	
white mineral oil (petroleum)	CAS No 8042-47-5  EC No 232-455-8  REACH Reg. No 01-2119487078-27- xxxx	10 – < 25	Asp. Tox. 1 / H304	
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	EC No 919-164-8  REACH Reg. No 01-2119473977-17- xxxx	5 – < 10	STOT RE 1 / H372 Asp. Tox. 1 / H304 Aquatic Chronic 3 / H412	

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Remove affected person from the danger area and lay down.  
Take off immediately all contaminated clothing.  
In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air.  
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.  
In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following skin contact

Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.

## **Following eye contact**

Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

## **Following ingestion**

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.  
Aspiration hazard.  
Call a physician immediately.

## **Notes for the doctor**

None.

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

Death following aspiration.

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

None.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

sand, carbon dioxide (CO<sub>2</sub>), fire extinguishing powder

#### **Unsuitable extinguishing media**

water

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

Hazardous decomposition products: Section 10.  
In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.  
Solvent vapours are heavier than air and may spread along floors.  
Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.  
Danger of bursting container.

#### **Hazardous combustion products**

carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

### **5.3 Advice for firefighters**

Keep containers cool with water spray.  
In case of fire and/or explosion do not breathe fumes.  
Co-ordinate firefighting measures to the fire surroundings.  
Do not allow firefighting water to enter drains or water courses.  
Collect contaminated firefighting water separately.  
Fight fire with normal precautions from a reasonable distance.

## **Special protective equipment for firefighters**

wear self-contained breathing apparatus

## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Remove persons to safety.

Ventilate affected area.

Keep away from sources of ignition - No smoking.

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

#### **For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### **6.2 Environmental precautions**

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

If substance has entered a water course or sewer, inform the responsible authority.

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

#### **Advice on how to clean up a spill**

Collect spillage.

Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

#### **Appropriate containment techniques**

Use of adsorbent materials.

#### **Other information relating to spills and releases**

Place in appropriate containers for disposal.

Ventilate affected area.

### **6.4 Reference to other sections**

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Provision of sufficient ventilation.  
Avoid contact with skin and eyes.  
Do not breathe vapour/spray.

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.  
Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharge.  
Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Do not spray on a naked flame or any incandescent material.

#### Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

#### Measures to protect the environment

Avoid release to the environment.

#### Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.  
Wash hands after use.  
Preventive skin protection (barrier creams/ointments) is recommended.  
Remove contaminated clothing and protective equipment before entering eating areas.

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

#### Explosive atmospheres

Keep container tightly closed and in a well-ventilated place.  
Use local and general ventilation.  
Keep cool.  
Protect from sunlight.

#### Flammability hazards

Keep away from sources of ignition - No smoking.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharge.  
Ground/bond container and receiving equipment.  
Protect from sunlight.

#### Incompatible substances or mixtures

Incompatible materials: see section 10.

**Protect against external exposure, such as**

heat

**Consideration of other advice**

Keep away from food, drink and animal feedingstuffs.

Keep container tightly closed in a cool place.

**Ventilation requirements**

Provision of sufficient ventilation.

**Packaging compatibilities**

Only packagings which are approved (e.g. acc. to ADR) may be used.

**7.3 Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

<b>Occupational exposure limit values (Workplace Exposure Limits)</b>									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Notation	Source
GB	aromatics		WEL		500				EH40/2005
GB	cycloalkanes (>C7)		WEL		800				EH40/2005
GB	normal and branched chain alkanes (>C7)		WEL		1,200				EH40/2005

**Notation**

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

<b>Relevant DNELs of components of the mixture</b>						
Name of substance	CAS No	Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
white mineral oil (petroleum)	8042-47-5	DNEL	164.6 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
white mineral oil (petroleum)	8042-47-5	DNEL	217.1 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
white mineral oil (petroleum)	8042-47-5	DNEL	34.78 mg/m <sup>3</sup>	human, inhalatory	consumer (private households)	chronic - systemic effects
white mineral oil (petroleum)	8042-47-5	DNEL	93.02 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
white mineral oil (petroleum)	8042-47-5	DNEL	25 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Hand protection

Protective gloves		
Material	Material thickness	Breakthrough times of the glove material
no information available	no information available	no information available

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Other protection measures

Protective clothing against liquid chemicals.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Type: A-P2 (combined filters against particles and organic gases and vapours, colour code: Brown/White).



## Environmental exposure controls

Use appropriate container to avoid environmental contamination.  
Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	Liquid
Form	Fluid
Colour	Clear
Odour	Benzen-like
Odour threshold	These information are not available

#### Other safety parameters

pH (value)	Not determined
Melting point/freezing point	<-20 °C
Initial boiling point and boiling range	153 – 189 °C
Flash point	>40 °C
Evaporation rate	These information are not available
Flammability (solid, gas)	Not relevant (fluid)

#### Explosive limits

<b>Lower explosion limit (LEL)</b>	0.7 vol%
<b>Upper explosion limit (UEL)</b>	8 vol%
Vapour pressure	These information are not available
Density	~0.788 g/cm <sup>3</sup> at 20 °C
Vapour density	These information are not available
Relative density	These information are not available

#### Solubility(ies)

**Water solubility** Not miscible in any proportion

#### Partition coefficient

n-octanol/water (log KOW)	These information are not available
Auto-ignition temperature	>265 °C
Relative self-ignition temperature for solids	Not relevant (Fluid)



## SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

**Classification procedure**

If not otherwise specified the classification is based on:  
Ingredients of the mixture (additivity formula).

**Classification according to GHS (1272/2008/EC, CLP)****Acute toxicity**

Test data are not available for the complete mixture.  
Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture							
Name of substance	EC No	Exposure route	End-point	Value	Species	Method	Source
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	oral	LD0	>5,000 mg/kg	rat	OECD Guideline 401	ECHA
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	dermal	LD0	≥3,160 mg/kg	rabbit	OECD Guideline 402	ECHA
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	inhalation: dust/mist	LC0	>5,600 mg/m <sup>3</sup> /4h	rat	OECD Guideline 403	ECHA
white mineral oil (petroleum)	232-455-8	oral	LD0	>5,000 mg/kg	rat	OECD Guideline 401	ECHA
white mineral oil (petroleum)	232-455-8	dermal	LD0	>2,000 mg/kg	rabbit	OECD Guideline 402	ECHA
white mineral oil (petroleum)	232-455-8	inhalation: dust/mist	LC0	>5 mg/l/4h	rat	OECD Guideline 403	ECHA
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	oral	LD0	>15,000 mg/kg	rat	OECD Guideline 401	ECHA
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	dermal	LD0	~3,400 mg/kg	rat		ECHA

**Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

Irritation and significant inflammation of the skin (dermatitis) due to the defatting properties of the product may be caused by repeated or prolonged exposure.

## **Serious eye damage/eye irritation**

Shall not be classified as seriously damaging to the eye or eye irritant.

## **Respiratory or skin sensitisation**

### **Skin sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

### **Respiratory sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Germ cell mutagenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Carcinogenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Reproductive toxicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Specific target organ toxicity - single exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Specific target organ toxicity - repeated exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

## **Aspiration hazard**

May be fatal if swallowed and enters airways.

## **Other information**

Repeated exposure may cause skin dryness or cracking.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Aquatic toxicity (acute)**

Test data are not available for the complete mixture.

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

**Aquatic toxicity (acute) of components of the mixture**

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Exposure time
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	LL50	>1,000 mg/l	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 203	ECHA	96 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	LL50	>1,000 mg/l	daphnia magna	OECD Guideline 202	ECHA	48 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	EL50	>1,000 mg/l	daphnia magna	OECD Guideline 202	ECHA	48 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	EL50	>1,000 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA	72 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	EL50	>1,000 mg/l	Tetrahymena pyriformis	Qsar	ECHA	48 h
white mineral oil (petroleum)	232-455-8	LL50	>100 mg/l	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 203	ECHA	96 h
white mineral oil (petroleum)	232-455-8	LL50	>100 mg/l	daphnia magna	OECD Guideline 202	ECHA	48 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	LL50	10 – 30 mg/l	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 203	ECHA	96 h

## LEU MP

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Exposure time
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	EL50	2.3 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA	72 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	EL50	10 – 22 mg/l	daphnia magna	OECD Guideline 202	ECHA	48 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	EL50	43.98 mg/l	Tetrahymena pyriformis	Qsar	ECHA	48 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	ErC50	1.2 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA	96 h

### Aquatic toxicity (chronic)

Test data are not available for the complete mixture.

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

### Aquatic toxicity (chronic) of components of the mixture

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Notes	Exposure time
white mineral oil (petroleum)	232-455-8	LOEL	<2,000 mg/kg	microorganisms		ECHA		93 d
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	EL50	1.19 mg/l	daphnia magna	OECD Guideline 211	ECHA	Basis for effect: reproduction	21 d

## LEU MP

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Notes	Exposure time
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	EC50	0.328 mg/l	daphnia magna	OECD Guideline 211	ECHA	Basis for effect: reproduction	21 d
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	LOEC	0.203 mg/l	daphnia magna	OECD Guideline 211	ECHA	Basis for effect: reproduction	21 d
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	NOEC	0.16 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA		72 h
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	NOEC	0.372 mg/l	daphnia magna	OECD Guideline 211	ECHA		21 d
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	NOELR	0.28 mg/l	daphnia magna	OECD Guideline 211	ECHA	Basis for effect: reproduction	21 d
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	NOELR	0.76 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA		72 h

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Notes	Exposure time
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	growth (EbCx) 10%	0.109 mg/l	daphnia magna	OECD Guideline 211	ECHA		21 d

## 12.2 Persistence and degradability

### Degradability of components of the mixture

Name of substance	EC No	Process	Degradation rate	Time	Method	Source	Notes
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	oxygen depletion	80 %	28 d	OECD Guideline 301 F	ECHA	read-across
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	oxygen depletion	74.7 %	28 d	OECD Guideline 301 F	ECHA	

### Biodegradation

Test data are not available for the complete mixture.

### Persistence

No data available.

## 12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

### Bioaccumulative potential of components of the mixture

Name of substance	EC No	BCF	Log KOW
hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-164-8	105	4.2 – 7.2



## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## 12.6 Other adverse effects

Data are not available.

### Remarks

Wassergefährdungsklasse, WGK (water hazard class): 2  
Keep away from drains, surface and ground water.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

Completely emptied packages can be recycled.  
Handle contaminated packages in the same way as the substance itself.

### Remarks

Please consider the relevant national or regional provisions.

## SECTION 14: Transport information

<b>14.1</b>	<b>UN number</b>	3295
<b>14.2</b>	<b>UN proper shipping name</b>	HYDROCARBONS, LIQUID, N.O.S.
<b>14.3</b>	<b>Transport hazard class(es)</b>	
	<b>Class</b>	3
<b>14.4</b>	<b>Packing group</b>	III
<b>14.5</b>	<b>Environmental hazards</b>	-
<b>14.6</b>	<b>Special precautions for user</b>	-
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	-


### 14.8 Information for each of the UN Model Regulations

#### Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).


UN number	3295
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## LEU MP

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Proper shipping name	UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III, (D/E)
Class	3
Classification code	F1
Packing group	III
Danger label(s)	3
	
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	D/E
Hazard identification No	30
Emergency Action Code	3Y

### International Maritime Dangerous Goods Code (IMDG)

UN number	3295
Proper shipping name	UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, III, >40°C c.c.
Class	3
Marine pollutant	-
Packing group	III
Danger label(s)	3
	
Special provisions (SP)	223
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, S-D
Stowage category	A

### International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	3295
Proper shipping name	UN3295, Hydrocarbons, liquid, n.o.s., 3, III
Class	3
Packing group	III

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## LEU MP

Danger label(s)	3
	
Special provisions (SP)	A3
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

### SECTION 15: Regulatory information

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

##### Relevant provisions of the European Union (EU)

##### Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)			
Name of substance	Name acc. to inventory	CAS No	Restriction
LEU MP	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3

##### Legend

- R3
- Shall not be used in:
    - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
    - tricks and jokes,
    - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
  - Articles not complying with paragraph 1 shall not be placed on the market.
  - Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
    - can be used as fuel in decorative oil lamps for supply to the general public, and,
    - present an aspiration hazard and are labelled with R65 or H304,
  - Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
  - Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
    - lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
    - grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
    - lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.
  - No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.
  - Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and

**Legend**

grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

**List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list**

None of the ingredients are listed.

**Seveso Directive**

2012/18/EU (Seveso III)				
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements		Notes
P5c	flammable liquids (cat. 2, 3)	5,000	50,000	51)

**Notation**

51) flammable liquids, categories 2 or 3 not covered by P5a and P5b

**Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II**

None of the ingredients are listed.

**Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**

None of the ingredients are listed.

**Water Framework Directive (WFD)**

None of the ingredients are listed.

**Regulation 98/2013/EU on the marketing and use of explosives precursors**

None of the ingredients are listed.

**Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)**

None of the ingredients are listed.

**Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)**

None of the ingredients are listed.

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this mixture by the supplier. Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

## Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.3	Details of the supplier of the safety data sheet: Uniter Chemie GmbH Ostring 16 D-44787 Bochum Germany  Telephone: ++49 (0) 234 - 18487 Telefax: ++49 (0) 234 - 67175 e-mail: info@uniter.com	Details of the supplier of the safety data sheet: Uniter Chemie GmbH Lötscher Weg 48 D-41334 Nettetal Germany  Telephone: ++49 (0) 2153 - 9789-0 Telefax: ++49 (0) 2153 - 9789-29 e-mail: info@uniter.com
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)
8.1		Relevant DNELs of components of the mixture: change in the listing (table)

## Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )
EINECS	European Inventory of Existing Commercial Chemical Substances

## LEU MP

Abbr.	Descriptions of used abbreviations
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
NOELR	No Observed Effect Loading Rate
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
STOT RE	Specific target organ toxicity - repeated exposure
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

## Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

## Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

## List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H372	Causes damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled).
H373	May cause damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled).
H412	Harmful to aquatic life with long lasting effects.

## Responsible for the safety data sheet

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## Disclaimer

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.