

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHOBA LAVIA L401 (RHOBASOL L 210 SE)

Revision date: 18.09.2023

Product code: 040001

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

### 1.1. Product identifier

RHOBA LAVIA L401 (RHOBASOL L 210 SE)

UFI: F9SJ-43FN-H00S-1943

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

#### Use of the substance/mixture

Washing and cleaning products (including solvent based products)

Reserved for industrial and professional use.

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

Company name: Rhoba-Chemie GmbH  
Street: Gustav-Winkler-Str. 32a  
Place: D-33699 Bielefeld / GERMANY  
Post-office box: 512082

D-33698 Bielefeld / GERMANY

Telephone: 0049-521-417174

Telefax: 0049-521-4171760

E-mail: info@rhoba-chemie.com

Contact person: Regulatory Affairs

E-mail: msds@rhoba-chemie.com

Internet: www.rhoba-chemie.com

### 1.4. Emergency telephone

+49 89 220 61012 oder 0800 000 7801

number:

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Asp. Tox. 1; H304

Skin Corr. 1C; H314

Eye Dam. 1; H318

Carc. 1B; H350

Carc. 2; H351

STOT SE 3; H336

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthalene >1%

dichloromethane; methylene chloride

Dodecylbenzenesulfonic acid

naphthalene

cumene

Signal word:

Danger

Pictograms:



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#### Hazard statements

H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing and eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see Hazard statements on this label).

#### Special labelling of certain mixtures

Restricted to professional users.

#### 2.3. Other hazards

The components in this formulation do not meet the criteria for classification as PBT or vPvB. This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthalene >1%			45 - < 50 %
	919-284-0		01-2119463588-24	
	Carc. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H351 H336 H304 H411			
75-09-2	dichloromethane; methylene chloride			30 - < 35 %
	200-838-9	602-004-00-3	01-2119480404-41	
	Carc. 2, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H351 H315 H319 H336			
85536-14-7	Dodecylbenzenesulfonic acid			15 - < 20 %
	287-494-3		01-2119490234-40	
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3; H302 H314 H318 H412			
91-20-3	naphthalene			2.5 - < 5 %
	202-049-5	601-052-00-2	01-2119561346-37	
	Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410			
98-82-8	cumene			0.1 - < 1 %
	202-704-5	601-024-00-X		
	Flam. Liq. 3, Carc. 1B, Acute Tox. 4, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H350 H302 H335 H304 H411			

Full text of H and EUH statements: see section 16.

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#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-94-5	919-284-0	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthalene >1%	45 - < 50 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
75-09-2	200-838-9	dichloromethane; methylene chloride	30 - < 35 %
		inhalation: LC50 = 86 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
85536-14-7	287-494-3	Dodecylbenzenesulfonic acid	15 - < 20 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1470 mg/kg	
91-20-3	202-049-5	naphthalene	2.5 - < 5 %
		inhalation: LC50 = > 0,41 mg/l (vapours); dermal: LD50 = > 2500 mg/kg; oral: LD50 = > 2000 mg/kg	
98-82-8	202-704-5	cumene	0.1 - < 1 %
		inhalation: LC50 = 39 mg/l (vapours); dermal: LD50 = 12300 mg/kg; oral: ATE = 500 mg/kg	

#### Labelling for contents according to Regulation (EC) No 648/2004

&gt;= 30 % aromatic hydrocarbons, &gt;= 30 % halogenated hydrocarbons, 15 % - &lt; 30 % anionic surfactants.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. Remove contaminated, saturated clothing immediately. When in doubt or if symptoms are observed, get medical advice.

#### After inhalation

Provide fresh air. If unconscious but breathing normally, place in recovery position and seek medical advice.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Co-ordinate fire-fighting measures to the fire surroundings. Fire extinguishing agent Fire class B

#### Unsuitable extinguishing media

High power water jet.

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

Non-flammable. Vapours can form explosive mixtures with air. In case of fire: Wear self-contained breathing apparatus.

#### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. Use water spray jet to protect personnel and to cool endangered containers.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

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

##### **General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Wear personal protection equipment.

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

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

##### **For emergency responders**

Wear personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

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

##### **For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

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

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation. Avoid contact with eyes and skin.

##### **Advice on protection against fire and explosion**

Keep away from heat.

##### **Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing, including underwear and shoes. Wash hands before breaks and after work. Avoid contact with eyes and skin.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only.  
 Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place.

##### Hints on joint storage

No special measures are necessary.

##### Further information on storage conditions

5 - 30 °C

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

Washing and cleaning products (including solvent based products)  
 Reserved for industrial and professional use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

CAS No	Substance	ppm	mg/m³	fib/cm³	Category	Origin
98-82-8	Isopropyl benzene (cumene)	10	50		TWA (8 h)	
		50	250		STEL (15 min)	
75-09-2	Methylene chloride	100	353		TWA (8 h)	
		200	706		STEL (15 min)	
91-20-3	Naphthalene	10	50		TWA (8 h)	

##### Biological limit values

CAS No	Substance	Parameter	Value	Test material	Sampling time
75-09-2	Dichloromethane/Methylene chloride	COHb	4 %	Haemoglobin	Measure at end of shift

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#### DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthaline >1%			
Consumer DNEL, long-term		oral	systemic	7,5 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	12,5 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	7,5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	151 mg/m³
Consumer DNEL, long-term		inhalation	systemic	32 mg/m³
75-09-2	dichloromethane; methylene chloride			
Worker DNEL, long-term		inhalation	systemic	353 mg/m³
Worker DNEL, acute		inhalation	systemic	706 mg/m³
Worker DNEL, long-term		dermal	systemic	12 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	88,3 mg/m³
Consumer DNEL, acute		inhalation	systemic	353 mg/m³
Consumer DNEL, long-term		dermal	systemic	5,82 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,06 mg/kg bw/day
85536-14-7	Dodecylbenzenesulfonic acid			
Consumer DNEL, long-term		oral	systemic	0,425 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	85 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	42,5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6 mg/m³
Consumer DNEL, long-term		inhalation	systemic	1,5 mg/m³
91-20-3	naphthalene			
Worker DNEL, long-term		dermal	systemic	3,57 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	25 mg/m³
Worker DNEL, long-term		inhalation	local	25 mg/m³

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#### PNEC values

CAS No	Substance	
Environmental compartment		Value
75-09-2	dichloromethane; methylene chloride	
Freshwater		0,54 mg/l
Marine water		0,194 mg/l
Freshwater sediment		4,47 mg/kg
Marine sediment		1,61 mg/kg
85536-14-7	Dodecylbenzenesulfonic acid	
Freshwater		0,268 mg/l
Marine water		0,027 mg/l
Freshwater sediment		8,1 mg/kg
Marine sediment		6,8 mg/kg
Soil		35 mg/kg
91-20-3	naphthalene	
Freshwater		0,0024 mg/l
Marine water		0,0024 mg/l
Freshwater sediment		0,0672 mg/kg
Marine sediment		0,0672 mg/kg
Soil		0,0533 mg/kg

#### 8.2. Exposure controls



##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Suitable eye protection: goggles. Tightly sealed safety glasses.

##### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

##### Skin protection

Use of protective clothing. Only wear fitting, comfortable and clean protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. (AX Filtertyp)

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

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#### Environmental exposure controls

Avoid release to the environment.

### SECTION 9: Physical and chemical properties

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

Physical state:	liquid	
Colour:	red brown	
Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		40 °C
Flammability:		not determined
Lower explosion limits:		0,6 vol. %
Upper explosion limits:		22 vol. %
Flash point:		> 60 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		easily soluble
Solubility in other solvents		
insoluble in: Wasser		
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		475 hPa
(at 20 °C)		
Vapour pressure:		not determined
Density (at 20 °C):		1 g/cm³
Relative vapour density:		not determined
Particle characteristics:		not applicable

#### 9.2. Other information

##### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive.

##### Sustaining combustion:

No data available

##### Oxidizing properties

The product is not: oxidising.

##### Other safety characteristics

Evaporation rate:	not determined
Solvent content:	77,50 %, water: 0,60 %
Solid content:	not determined
Viscosity / dynamic:	not determined
Flow time:	not determined

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.



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#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **10.4. Conditions to avoid**

heat.

#### **10.5. Incompatible materials**

Oxidizing agents.

Alkali (lye)

#### **10.6. Hazardous decomposition products**

Gases/vapours, toxic. No information available.

### **SECTION 11: Toxicological information**

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

##### **Acute toxicity**

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

##### **ATEmix calculated**

ATE (oral) 5495 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthalene >1%				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		
75-09-2	dichloromethane; methylene chloride				
	oral	LD50 > 2000 mg/kg	Rat		OECD 401
	dermal	LD50 > 2000 mg/kg	Rat		OECD 302
	inhalation (4 h) vapour	LC50 86 mg/l	Mouse		
85536-14-7	Dodecylbenzenesulfonic acid				
	oral	LD50 1470 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rabbit		
91-20-3	naphthalene				
	oral	LD50 > 2000 mg/kg	Ratte		
	dermal	LD50 > 2500 mg/kg	Ratte, Kaninchen		
	inhalation (4 h) vapour	LC50 > 0,41 mg/l	Ratte		
98-82-8	cumene				
	oral	ATE 500 mg/kg			
	dermal	LD50 12300 mg/kg	Rabbit	IUCLID	
	inhalation (4 h) vapour	LC50 39 mg/l	Rat	RTECS	

#### Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation: Causes serious eye damage.

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

May cause cancer. (cumene)

Suspected of causing cancer. (Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthalene &gt;1%; dichloromethane; methylene chloride; naphthalene)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

#### STOT-single exposure

May cause drowsiness or dizziness. (Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthalene &gt;1%; dichloromethane; methylene chloride)

#### STOT-repeated exposure

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

#### Aspiration hazard

May be fatal if swallowed and enters airways.

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#### 11.2. Information on other hazards

##### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

##### Other information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64742-94-5	Kerosine - unspecified, Solvent naphtha (petroleum), heavy arom., naphthalene >1%					
	Acute fish toxicity	LC50 2-5 mg/l	96 h	Oncirhynchus mykiss		
	Acute crustacea toxicity	EC50 3-10 mg/l	48 h	Daphnia magna		
75-09-2	dichloromethane; methylene chloride					
	Acute fish toxicity	LC50 193 mg/l	96 h	Pimephales promelas		
	Acute crustacea toxicity	EC50 27 mg/l	48 h	Daphnia magna		
	Fish toxicity	NOEC 83 mg/l	28 d	Pimephales promelas		
85536-14-7	Dodecylbenzenesulfonic acid					
	Acute fish toxicity	LC50 1,67 mg/l	96 h	Lepomis macrochirus		
	Acute algae toxicity	ErC50 47,3 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 2,9 mg/l	48 h	Daphnia magna		
	Crustacea toxicity	NOEC 1,18 mg/l	21 d	Daphnia magna		
91-20-3	naphthalene					
	Acute fish toxicity	LC50 0,11 mg/l	96 h	Oncorhynchus mykiss		
	Acute algae toxicity	ErC50 0,4 mg/l	72 h	Skeletonema costatum		
	Acute crustacea toxicity	EC50 1,6-24,1 mg/l	48 h	Daphnia magna		
	Crustacea toxicity	NOEC 0,59 mg/l	125 d	Daphnia pulex		
	Acute bacteria toxicity	EC50 29 mg/l ( )				
98-82-8	cumene					
	Acute fish toxicity	LC50 2,7 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 2,6 mg/l	72 h	Selenastrum capricornutum		

#### 12.2. Persistence and degradability

The product has not been tested.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
75-09-2	dichloromethane; methylene chloride			
	OECD 301 D	68 %		
85536-14-7	Dodecylbenzenesulfonic acid			
	OECD 301A	>70%		

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
85536-14-7	Dodecylbenzenesulfonic acid	2
91-20-3	naphthalene	3,3
98-82-8	cumene	3,66

#### BCF

CAS No	Chemical name	BCF	Species	Source
91-20-3	naphthalene	40-300	Fisch	

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The product has not been tested.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. There are no data available on the mixture itself.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### List of Wastes Code - residues/unused products

070103 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; organic halogenated solvents, washing liquids and mother liquors; hazardous waste

##### Contaminated packaging

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself. Dispose of this material and its container to hazardous or special waste collection point.

### SECTION 14: Transport information

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#### Land transport (ADR/RID)

**14.1. UN number or ID number:**

UN 2922

**14.2. UN proper shipping name:**

CORROSIVE LIQUID, TOXIC, N.O.S. (Alkylbenzolsulfonsäure, Dichlormethan, Alkyl(C3-C4)Benzol)

**14.3. Transport hazard class(es):**

8

**14.4. Packing group:**

III

Hazard label:

8+6.1



Classification code:

CT1

Special Provisions:

274

Limited quantity:

5 L

Transport category:

3

Hazard No:

86

Tunnel restriction code:

E

**Other applicable information (land transport)**

E1

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:**

UN 2922

**14.2. UN proper shipping name:**

CORROSIVE LIQUID, TOXIC, N.O.S. (Alkylbenzolsulfonsäure, Dichlormethan, Alkyl(C3-C4)Benzol)

**14.3. Transport hazard class(es):**

8

**14.4. Packing group:**

III

Hazard label:

8+6.1



Classification code:

CT1

Special Provisions:

274 802

Limited quantity:

5 L

**Other applicable information (inland waterways transport)**

E1

E2

#### Marine transport (IMDG)

**14.1. UN number or ID number:**

UN 2922

**14.2. UN proper shipping name:**

CORROSIVE LIQUID, TOXIC, N.O.S. (Alkyl benzene sulfonic acid, dichlormethane, alkyl(C3-C4)benzene)

**14.3. Transport hazard class(es):**

8

**14.4. Packing group:**

III

Hazard label:

8+6.1



Marine pollutant:

J

Special Provisions:

223, 274

Limited quantity:

5 L

EmS:

F-A, S-B

**Other applicable information (marine transport)**

E1

E2

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#### Air transport (ICAO-TI/IATA-DGR)

##### 14.1. UN number or ID number:

UN 2922

##### 14.2. UN proper shipping name:

CORROSIVE LIQUID, TOXIC, N.O.S. (Alkyl benzene sulfonic acid, dichlormethane, alkyl(C3-C4)benzene)

##### 14.3. Transport hazard class(es):

8

##### 14.4. Packing group:

III

Hazard label:

8+6.1



Limited quantity Passenger:

1 L

IATA-packing instructions - Passenger:

852

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

856

IATA-max. quantity - Cargo:

60 L

##### **Other applicable information (air transport)**

E1

: Y344

E2

: Y341

: Y841

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

Yes



#### 14.6. Special precautions for user

Warning: Acute Toxicity. strongly corrosive.

#### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 59, Entry 75

Directive 2010/75/EU on industrial emissions:

77,5 % (775 g/l)

Directive 2004/42/EC on VOC in paints and varnishes:

77,5 % (775 g/l)

Information according to Directive 2012/18/EU (SEVESO III):

E2 Hazardous to the Aquatic Environment

##### **Additional information**

Regulation (EC) No. 648/2004 [Detergents regulation].

##### **National regulatory information**

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Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

2 - obviously hazardous to water

#### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

### **SECTION 16: Other information**

#### **Changes**

This data sheet contains changes from the previous version in section(s): 2,11.

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#### Abbreviations and acronyms

Flam. Liq: Flammable liquid  
Acute Tox: Acute toxicity  
Asp. Tox: Aspiration hazard  
Skin Corr: Skin corrosion  
Skin Irrit: Skin irritation  
Eye Dam: Eye damage  
Eye Irrit: Eye irritation  
Carc: Carcinogenicity  
STOT SE: Specific target organ toxicity - single exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).



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#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Asp. Tox. 1; H304	Calculation method
Skin Corr. 1C; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Carc. 1B; H350	Calculation method
Carc. 2; H351	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*