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**SECTION 3: Composition/information on ingredients**

**Mixtures**

**Chemical characterization**

Surface tension compounds  
Detergents, Dispersants  
Synthetic agent combinations  
Anti wear agents not classified

Sum of ingredients:  
20 - 60 %

**Hazardous components**

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
215-535-7	xylene	30 - 35 %
1330-20-7	Xn, Xi R10-20/21-38	
601-022-00-9	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315	
265-149-8	Distillates (petroleum, gasoline), hydrotreated light	10 - 25 %
64742-47-8	Xn R10-65	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411	
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	10 - 20 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
	ketone	10 - 25 %
Mixture	F, Xi R11-36-66-67	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
	phenole, ethoxylised	1 - 5 %
37205-87-1	Xn, Xi, N R22-41-51-53	
265-198-5	solvent naphtha	1 - 5 %
64742-94-5	Xn, N R65-66-67-51-53	
	STOT SE 3, Asp. Tox. 1; H336 H304	
202-436-9	1,2,4-trimethylbenzene	< 1 %
95-63-6	Xn, Xi, N R10-20-36/37/38-51-53	
601-043-00-3	Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2; H226 H332 H319 H335 H315 H411	
202-049-5	naphthalene	< 1 %
91-20-3	Carc. Cat. 3, Xn, N R40-22-50-53	
601-052-00-2	Carc. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1; H351 H302 H400 H410	

Full text of R- and H-phrases: see section 16.

**SECTION 4: First aid measures**

**Description of first aid measures**

**General information**

Move victim to fresh air. Put victim at rest and keep warm.

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**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.  
In case of difficulties of breathing consult physician.  
If victim is at risk of losing consciousness, position and transport on their side.

**After contact with skin**

Take off immediately all contaminated clothing, including underwear and shoes.  
After contact with skin, wash immediately with plenty of Water and soap.  
Rub in high-fat content cream.

**After contact with eyes**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.  
Consult physician.

**After ingestion**

Let water be swallowed in little sips (dilution effect). Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.  
Irritation of eyes: Irritant effect possible.  
After ingestion: Harmful: may cause lung damage if swallowed.  
Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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

Warning about danger of aspiration.

**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing media**

Extinguishing powder.  
Sand.  
alcohol resistant foam.  
Carbon dioxide (CO<sub>2</sub>).

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

High power water jet.

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

Formation of decomposition products possible.  
In case of fire and/or explosion do not breathe fumes.

**Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Cool endangered container in case of fire.  
Contaminated fire-fighting water must be collected separately.

**SECTION 6: Accidental release measures**

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

In case of fire: Wear self-contained breathing apparatus.  
Keep away from sources of ignition. No smoking.

**Environmental precautions**

Beat down gas/vapours/mist with water spray.  
Do not empty into drains or the aquatic environment.  
In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

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

Prevent spreading of spillages (e.g. by oil barrier).  
Wipe up with absorbent material (eg. cloth, fleece).

**SECTION 7: Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Closed devices. Vapours / aerosols must be extracted by suction immediately at point of origin.  
Avoid contact with skin and eyes.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

**Further information on storage conditions**

Packaging materials: metal.

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

**Control parameters**

**Exposure limits (EH40)**

CAS No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
91-20-3	Naphthalene	-	-	-	TWA (8 h)	CHAN
		-	-	-	STEL (15 min)	CHAN
95-63-6	Trimethylbenzenes	25	125	-	TWA (8 h)	WEL
		-	-	-	STEL (15 min)	WEL
1330-20-7	Xylene, o-, m-, p- or mixed isomers	50	220	-	TWA (8 h)	WEL
		100	441	-	STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No.	Chemical name	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

**Exposure controls**

**Protective and hygiene measures**

When using do not eat, drink or smoke.  
"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

**Respiratory protection**

In case of accumulation of fumes/aerosols, provide adequate ventilation.  
In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection**

Tested protective gloves are to be worn: Butyl rubber. (EN 374)

**Eye protection**

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)



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**Skin protection**

Wear suitable solvent-proof protective clothing according to EN 465.

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state: liquid  
Colour: red  
Odour: aromatic

**Test method**

**Changes in the physical state**

Boiling point:	110 - 116 °C
Flash point:	-6.5 °C
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	12 vol. %
Ignition temperature:	> 200 °C
Vapour pressure: (at 20 °C)	20 hPa
Density (at 20 °C):	0.78-0.82 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	insoluble
Solubility in other solvents:	Organic solvents

**SECTION 10: Stability and reactivity**

**Conditions to avoid**

Only use material in places where open light, fire and other sources of ignition can be kept away.

**Incompatible materials**

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

**Hazardous decomposition products**

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

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

LD50(oral, rat) > 2000 mg/Kg.

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CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	h
1330-20-7	xylene				
	Acute oral toxicity	LD50	4300 mg/kg	rat.	
	Acute dermal toxicity	LD50	3200 mg/kg	Rabbit.	
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light				
	Acute oral toxicity	LD50	>15000 mg/kg	rat.	
	Acute dermal toxicity	LD50	3400 mg/kg	rat.	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Acute oral toxicity	LD50	5280 mg/kg	rat.	
	Acute dermal toxicity	LD50	12800 mg/kg	Rabbit.	
	Acute inhalation toxicity	LC50	47,5 mg/l	rat.	4
Mixture	ketone				
	Acute oral toxicity	LD50	5800 mg/kg	rat.	
	Acute dermal toxicity	LD50	20000 mg/kg	Rabbit.	
37205-87-1	phenole, ethoxylised				
	Acute oral toxicity	LD50	2000 mg/kg	rat.	
64742-94-5	solvent naphtha				
	Acute oral toxicity	LD50	5 mg/kg	rat.	
	Acute dermal toxicity	LD50	>2 mg/kg	Rabbit.	
95-63-6	1,2,4-trimethylbenzene				
	Acute oral toxicity	LD50	5000 mg/kg	Ratte	
	Acute inhalation toxicity	LC50	18 mg/l	Ratte	4
91-20-3	naphthalene				
	Acute oral toxicity	ATE	500 mg/kg		

**Irritation and corrosivity**

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

After ingestion:

Harmful: may cause lung damage if swallowed.

**SECTION 12: Ecological information**

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**Toxicity**

CAS No.	Chemical name			
	Aquatic toxicity	Method	Dose	Species
1330-20-7	xylene			
	Acute fish toxicity	LC50	26,7 mg/l	Pimephales promelas
64742-47-8	Distillates (petroleum, gasoline), hydrotreated light			
	Acute fish toxicity	LC50	10 mg/l	Oncorhynchus mykiss
	Acute algae toxicity	ErC50	4,6 mg/l	Pseudokirchneriella subcapitata
	Acute crustacea toxicity	EC50	10 mg/l	Daphnia magna
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
	Acute fish toxicity	LC50	9640 mg/l	Pimephales promelas
	Acute algae toxicity	ErC50	1000 mg/l	Algae
	Acute crustacea toxicity	EC50	13299 mg/l	Daphnia magna
Mixture	ketone			
	Acute fish toxicity	LC50	5540 mg/l	Oncorhynchus mykiss
37205-87-1	phenole, ethoxylised			
	Acute fish toxicity	LC50	1-10 mg/l	Brachydanio rerio
	Acute algae toxicity	ErC50	1-10 mg/l	Scenedesmus subspicatus
64742-94-5	solvent naphtha			
	Acute fish toxicity	LC50	2-5 mg/l	Fish
	Acute algae toxicity	ErC50	1-3 mg/l	Algae
	Acute crustacea toxicity	EC50	3-10 mg/l	Daphnia
95-63-6	1,2,4-trimethylbenzene			
	Acute fish toxicity	LC50	7,72 mg/l	Pimephales promelas
	Acute crustacea toxicity	EC50	3,6 mg/l	Daphnia

**Bioaccumulative potential**

Swims on the water.  
Low potential of bio-accumulation.

**Partition coefficient n-octanol/water**

CAS No.	Chemical name	Log Pow
95-63-6	1,2,4-trimethylbenzene	3,63

**SECTION 13: Disposal considerations**

**Waste treatment methods**

**Advice on disposal**

Do not dispose with household waste.  
Do not empty into drains or the aquatic environment.  
Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.  
Arrange about the exact waste code with the local waste disposal expert.

**Contaminated packaging**

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.  
Do not pierce, cut up or weld unclean container. (Explosion hazard.)

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**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640C  
Limited quantity: 1 L  
Transport category: 2  
Hazard-no.: 33  
Tunnel restriction code: D/E

**Inland waterways transport**

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640C  
Limited quantity: 1 L

**Marine transport**

**UN number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3



Marine pollutant: -  
Special Provisions: 274  
Limited quantity: 1 L  
EmS: F-E, S-E

**Air transport**

**UN/ID number:** UN1993  
**UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.



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**Transport hazard class(es):** 3

**Packing group:** II

Hazard label: 3



Special Provisions: -

Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 364

IATA-max. quantity - Cargo: 60 L

**Environmental hazards**

Dangerous for the environment: no

**SECTION 15: Regulatory information**

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

**EU regulatory information**

**Additional information**

Contains:

15 - 30 % hydrocarbons, aliphatic.

> 30 % hydrocarbons, aromatic.

< 5 % Phenols and halogenated phenols

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**SECTION 16: Other information**

**Full text of R-phrases referred to under sections 2 and 3**

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 20/21 Harmful by inhalation and in contact with skin.
- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 36/38 Irritating to eyes and skin.
- 38 Irritating to skin.
- 40 Limited evidence of a carcinogenic effect.
- 41 Risk of serious damage to eyes.
- 50 Very toxic to aquatic organisms.
- 51 Toxic to aquatic organisms.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

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

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.



# **Safety Data Sheet**

according to Regulation (EU) No. 1907/2006

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H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
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.

### **Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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