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

1.1 Product identifier

Paint Cleaner Aerosol

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

1.2.1 Relevant uses

Cleaning agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company
Waxoyl GmbH
Hermann-Albertz-Str. 17-23
46045 Oberhausen / GERMANY
Phone +49 (0)208 410 221
E-mail info@waxoyl.ch

Manufacturer
Waxoyl AG
Mühlemattstrasse 24
4104 Oberwil / SWITZERLAND
Phone +41 61 281 77 94
Homepage www.waxoyl.com
E-mail info@waxoyl.ch

Address enquiries to

Technical information info@waxoyl.ch

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)
Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Aerosol 1: H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated.
STOT SE 3: H336 May cause drowsiness or dizziness.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms





Signal word DANGER

Contains: Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Hazard statements
H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P273 Avoid release to the environment.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water / soap.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER / doctor if you feel unwell.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.
P501 Dispose of contents/container in accordance with local/national regulation.

Special labelling EUH066 Repeated exposure may cause skin dryness or cracking.

Cleaner, 648/2004/CE, contains:
>=30% aliphatic hydrocarbons
< 5% aromatic hydrocarbons

2.3 Other hazards

Physico-chemical hazards
Vapours may form explosive mixture with air.
Vapour is heavier than air and can travel considerable distance to a source ignition and flashback.

Human health hazards Contains no ingredients with endocrine-disrupting properties.

Environmental hazards Does not contain any PBT or vPvB substances.

Further hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
50 - 100	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
	EINECS/ELINCS: 926-605-8, Reg-No.: 01-2119486291-36-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Aquatic Chronic 2: H411 - Asp. Tox. 1: H304 - STOT SE 3: H336 - - EUH066
5 - 10	Propane
	CAS: 74-98-6, EINECS/ELINCS: 200-827-9, EU-INDEX: 601-003-00-5, Reg-No.: 01-2119486944-21-XXXX
	GHS/CLP: Flam. Gas 1A: H220 - Press. Gas: H280
5 - 10	Carbon dioxide (EU occupational exposure limit value)
	CAS: 124-38-9, EINECS/ELINCS: 204-696-9
	GHS/CLP: Press. Gas (Compressed gas): H280
5 - 10	isobutane
	CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0, Reg-No.: 01-2119485395-27-XXXX
	GHS/CLP: Flam. Gas 1A: H220 - Press. Gas: H280
< 1	n-Hexane
	CAS: 110-54-3, EINECS/ELINCS: 203-777-6, EU-INDEX: 601-037-00-0
	GHS/CLP: Flam. Liq. 2: H225 - Repr. 2: H361f - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - STOT SE 3: H336 - Aquatic Chronic 2: H411 - STOT RE 1: H372
< 1	Toluene
	CAS: 108-88-3, EINECS/ELINCS: 203-625-9, EU-INDEX: 601-021-00-3, Reg-No.: 01-2119471310-51-XXXX
	GHS/CLP: Flam. Liq. 2: H225 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - STOT SE 3: H336 - Repr. 2: H361d - STOT RE 2: H373
< 0,1	Benzene
	CAS: 71-43-2, EINECS/ELINCS: 200-753-7, EU-INDEX: 601-020-00-8
	GHS/CLP: Flam. Liq. 2: H225 - Carc. 1A: H350 - Muta. 1B: H340 - STOT RE 1: H372 - Asp. Tox. 1: H304 - Eye Irrit. 2: H319 - Skin Irrit. 2: H315

Comment on component parts For full text of H-statements: see SECTION 16.
Mineral oil containing mixture. Mineral oil with < 3% DMSO extract, as measured by IP 346.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Remove person to fresh air and keep comfortable for breathing.
Seek medical advice immediately.

Skin contact When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

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.

Ingestion Consult a doctor immediately.
Do not induce vomiting.
Rinse mouth.
Beware of vomiting. Risk of aspiration.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Drowsiness
Vertigo
Irritant effects
Nausea, vomiting.
Tiredness
Shortness of breath

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in the event of vomiting, risk of product entering the lungs.
Follow-up monitoring for pneumonia and pulmonary edema.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet.
Dry powder.
Foam.
Carbon dioxide.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)
Carbon dioxide (CO2)
Forms explosive mixtures with air at elevated temperatures. Avoid shock and friction.
Bursting aerosols can be forcibly projected from a fire.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.

Severe fire hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and
flash back. Vapor/air mixtures are explosive.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.
Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
High risk of slipping due to leakage/spillage of product.
Ensure adequate ventilation.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide suitable vacuuming at the processing area.
Use only in well-ventilated areas.
Use solvent-resistant equipment.

Keep away from all sources of ignition - Refrain from smoking.
Take precautionary measures against static discharges.
Vapours can form an explosive mixture with air.
Ignitable mixtures can be formed in the empty container.
Use explosion-proofed equipment/fittings and non-sparkling tools.
Risk of explosion if the liquid enters the drains.

Do not eat, drink, smoke or snuff while working.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.
Prevent penetration into the ground.

Do not store together with acids.
Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.

Keep in a cool place, heat causes increase in pressure and risk of bursting.
Keep container in a well-ventilated place.
Protect from heat/overheating.
Protect from sun.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

Substance / EC LIMIT VALUES
Carbon dioxide (EU occupational exposure limit value)
CAS: 124-38-9, EINECS/ELINCS: 204-696-9
Eight hours: 5000 ppm, 9000 mg/m³
n-Hexane
CAS: 110-54-3, EINECS/ELINCS: 203-777-6, EU-INDEX: 601-037-00-0
Eight hours: 20 ppm, 72 mg/m³
Toluene
CAS: 108-88-3, EINECS/ELINCS: 203-625-9, EU-INDEX: 601-021-00-3, Reg-No.: 01-2119471310-51-XXXX
Eight hours: 50 ppm, 192 mg/m³, H
Short-term (15-minute): 100 ppm, 384 mg/m³
Benzene
CAS: 71-43-2, EINECS/ELINCS: 200-753-7, EU-INDEX: 601-020-00-8
Eight hours: 0,2 ppm, 0,66 mg/m³

DNEL

Substance
isobutane, CAS: 75-28-5
There are no DNEL values established for the substance.
Propane, CAS: 74-98-6
There are no DNEL values established for the substance.
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
Industrial, inhalative, Long-term - systemic effects, 5306 mg/m³
Industrial, dermal, Long-term - systemic effects, 13964 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1131 mg/m³
general population, dermal, Long-term - systemic effects, 1377 mg/kg bw/day
general population, oral, Long-term - systemic effects, 1301 mg/kg bw/day
Toluene, CAS: 108-88-3
Industrial, inhalative, Acute - systemic effects, 384 mg/m³
Industrial, inhalative, Acute - local effects, 384 mg/m³
Industrial, inhalative, Long-term - systemic effects, 192 mg/m³
Industrial, inhalative, Long-term - local effects, 192 mg/m³
Industrial, dermal, Long-term - systemic effects, 384 mg/kg bw/day
general population, inhalative, Acute - local effects, 226 mg/m³
general population, dermal, Long-term - systemic effects, 226 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 56,5 mg/m³
general population, oral, Long-term - systemic effects, 8,13 mg/kg bw/day
general population, inhalative, Acute - systemic effects, 226 mg/m³

PNEC

Substance
isobutane, CAS: 75-28-5
There are no PNEC values established for the substance.
Propane, CAS: 74-98-6
There are no PNEC values established for the substance.
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
There are no PNEC values established for the substance.
Toluene, CAS: 108-88-3
soil, 2,89 mg/kg
seawater, 0,68 mg/L
freshwater, 0,68 mg/L

sediment (seawater), 16,39 mg/kg
sediment (freshwater), 16,39 mg/kg
sewage treatment plants (STP), 13,61 mg/L

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances. General exposure limit for oil mist should be noted.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	0,55 mm Nitrile rubber, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	aerosol
Color	colourless
Odor	characteristic
Odour threshold	not relevant
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	not applicable
Flash point [°C]	not applicable
Flammability	not applicable
Lower explosion limit	1,5 Vol.% (propellant) 1,2 Vol.% (Liquid)
Upper explosion limit	10,9 Vol.% (propellant) 8,3 Vol.% (Liquid)
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	10 - 20 (Liquid)
Density [g/cm³]	0,704 (20 °C / 68,0 °F) (Liquid)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water [g/L]	immiscible
Solubility other solvents	not determined
Partition coefficient n-octanol/water (log value)	log Kow = 3,6 (Liquid)
Kinematic viscosity	not applicable
Relative vapour density	not applicable
Melting point [°C]	not applicable
Auto-ignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not applicable
Particle characteristics	not applicable

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Heating may cause an explosion.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Risk of bursting.
Formation of explosive gas/air mixtures.
Reactions with oxidizing agents.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard.
Strong acids.
Nitrates, chlorates, perchlorates.

10.6 Hazardous decomposition products

Flammable gases/vapours.

SECTION 11: Toxicological information

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

Acute oral toxicity

Product
ATE-mix, oral, Rat, > 5000 mg/kg

Substance
Benzene, CAS: 71-43-2
LD50, oral, Rat, > 2000 mg/kg bw
n-Hexane, CAS: 110-54-3
LD50, oral, Rat, 16000 mg/kg, OECD 401
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
LD50, oral, Rat, >5000 mg/kg bw
Toluene, CAS: 108-88-3
LD50, oral, Rat, 5580 mg/kg

Acute dermal toxicity

Product
ATE-mix, dermal, Rabbit, > 2000 mg/kg

Substance
Benzene, CAS: 71-43-2
LD50, dermal, Rabbit, 8260 mg/kg bw
n-Hexane, CAS: 110-54-3
LD50, dermal, Rabbit, > 2000 mg/kg
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
LD50, dermal, Rabbit, >2000 mg/kg bw
Toluene, CAS: 108-88-3
LD50, dermal, Rabbit, > 5000 mg/kg

Acute inhalational toxicity

Product
ATE-mix, inhalativ (dust/mist), Rat, > 5,2 mg/L

Substance
Benzene, CAS: 71-43-2
LC50, inhalative, Rat, 43767 mg/m³
n-Hexane, CAS: 110-54-3
LC50, inhalation (vapour), Rat, 17,6 mg/L, 4h
isobutane, CAS: 75-28-5
LC50, inhalative, Rat, 1442 mg/l (15min)
Propane, CAS: 74-98-6
LC50, inhalative, Rat, > 1443 mg/l (15 min) (Lit.)
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
LC50, inhalative, Rat, 73860 ppm (4h)
Toluene, CAS: 108-88-3
LC50, inhalative, Rat, 25,7 mg/L, OECD 403, 4h

Serious eye damage/irritation Based on the available information, the classification criteria are not fulfilled.

Substance
n-Hexane, CAS: 110-54-3
Rabbit (eye), OECD 405, non-irritating
isobutane, CAS: 75-28-5

Eye, non-irritating
Propane, CAS: 74-98-6
Eye, non-irritating
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
Eye, Rabbit, non-irritating
Toluene, CAS: 108-88-3
Eye, Rabbit, OECD 405, non-irritating

Skin corrosion/irritation Based on the available information, the classification criteria are not fulfilled.

Substance
n-Hexane, CAS: 110-54-3
Rabbit, OECD 404, 24h, irritant
isobutane, CAS: 75-28-5
dermal, non-irritating
Propane, CAS: 74-98-6
dermal, non-irritating
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
dermal, Rabbit, non-irritating
Toluene, CAS: 108-88-3
dermal, Rabbit, Study, irritant

Respiratory or skin sensitisation Based on the available information, the classification criteria are not fulfilled.

Substance
n-Hexane, CAS: 110-54-3
dermal, mouse, OECD 429, negative
isobutane, CAS: 75-28-5
dermal, non-sensitizing
inhalative, non-sensitizing
Propane, CAS: 74-98-6
dermal, non-sensitizing
inhalative, non-sensitizing
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
dermal, non-sensitizing
Toluene, CAS: 108-88-3
No information available.

Specific target organ toxicity — single exposure Vapours may cause drowsiness and dizziness.
Based on the available information, the classification criteria are fulfilled.
Calculation method

Substance
n-Hexane, CAS: 110-54-3
Harmonised classification: STOT SE 3 H336
isobutane, CAS: 75-28-5
inhalative, non-irritating
Propane, CAS: 74-98-6
inhalative, non-irritating
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
inhalative, adverse effect observed
Toluene, CAS: 108-88-3
positive

Specific target organ toxicity — repeated exposure Based on the available information, the classification criteria are not fulfilled.

Substance

n-Hexane, CAS: 110-54-3
Harmonised classification: STOT RE 1 H372
isobutane, CAS: 75-28-5
NOAEC, inhalative, Rat, 4437 mg/m³, The effects observed are not sufficient for classification.
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
LOAEC, inhalative, Rat, 10 504 mg/m³, negative
Toluene, CAS: 108-88-3
positive

Mutagenicity Based on the available information, the classification criteria are not fulfilled.

Substance
n-Hexane, CAS: 110-54-3
OECD 471, 475, 476, 478, negative
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
OECD 471, negative
Toluene, CAS: 108-88-3
mouse, Ames-test, negative

Reproduction toxicity Based on the available information, the classification criteria are not fulfilled.

- Fertility

Substance
n-Hexane, CAS: 110-54-3
Harmonised classification: Repr. 2 H361f
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
NOAEC, inhalative, Rat, 31680 mg/m³, negative
Toluene, CAS: 108-88-3
inhalative, Rat, Study, positive

- Development

Substance
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
NOAEC, inhalative, Rat, 31680 mg/m³, negative
Toluene, CAS: 108-88-3
inhalative, Rat, Study, positive

Carcinogenicity Based on the available information, the classification criteria are not fulfilled.

Substance
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
NOAEC, inhalative, Rat, 31680 mg/m³, negative

Aspiration hazard
May be fatal if swallowed and enters airways.
Based on the available information, the classification criteria are fulfilled.
On basis of test data

General remarks

Toxicological data of complete product are not available.
The determination of properties hazardous to health does not take the propellant or carrier material into account.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.

11.2.2 Other information none

SECTION 12: Ecological information

12.1 Toxicity

Based on the available information, the classification criteria are fulfilled.

Substance
Benzene, CAS: 71-43-2
LC50, (4d), Fish, 5,3 mg/L
LC50, (48h), Invertebrates, 65,089 mg/L
EC50, (72h), Algae, 100 mg/L
n-Hexane, CAS: 110-54-3
LC50, (96h), Pimephales promelas, 2,5 mg/l (ECOTOX)
EC50, (48h), Daphnia magna, 2,1 mg/l (Lit)
isobutane, CAS: 75-28-5
LC50, (96h), Fish, 29,535 mg/L
Carbon dioxide (EU occupational exposure limit value), CAS: 124-38-9
LC50, (96h), Oncorhynchus mykiss, 35 mg/L
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
EL50, (48h), Daphnia magna, 17,06 mg/L
Toluene, CAS: 108-88-3
LC50, (96h), Oncorhynchus mykiss, 5,8 mg/L (ECOTOX- Database)
EC50, (48h), Daphnia magna, 6 mg/L
EC50, (24h), Pseudokirchneriella subcapitata, 10,00 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability Biodegradable.

Substance
n-Hexane, CAS: 110-54-3
(28d), 98 %, OECD 301 F, The product is readily biodegradable.
isobutane, CAS: 75-28-5
The product is readily biodegradable.
Propane, CAS: 74-98-6
The product is readily biodegradable.
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane
Biological degradability:, The product is readily biodegradable.
Toluene, CAS: 108-88-3
86 %, 20d, The product is readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is potentially possible.

Substance
isobutane, CAS: 75-28-5
log Kow, 2,88
Propane, CAS: 74-98-6
log Kow, 1,815
Toluene, CAS: 108-88-3
BCF, 90

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.

Waste no. (recommended) 160504* gases in pressure containers (including halons) containing dangerous substances

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.
Uncontaminated packaging may be taken for recycling.

Waste no. (recommended) 150111*

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID	1950
Inland navigation (ADN)	1950
Marine transport in accordance with IMDG	1950
Air transport in accordance with IATA	1950

14.2 UN proper shipping name

Transport by land according to ADR/RID	Aerosols
- Classification Code	5F
- Label	
- ADR LQ	1 l
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 2 (D)
Inland navigation (ADN)	Aerosols
- Classification Code	5F
- Label	
Marine transport in accordance with IMDG	Aerosols (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)
- EMS	F-D, S-U
- Label	
- IMDG LQ	1 l
Air transport in accordance with IATA	Aerosols, flammable
- Label	

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	2
Inland navigation (ADN)	2
Marine transport in accordance with IMDG	2.1
Air transport in accordance with IATA	2.1

14.4 Packing group

Transport by land according to ADR/RID	Aerosols
Inland navigation (ADN)	Aerosols
Marine transport in accordance with IMDG	Aerosols (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane)
Air transport in accordance with IATA	Aerosols, flammable

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	MARINE POLLUTANT
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

EEC-REGULATIONS	2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- Comment on component parts	SVHC (Candidate List of Substances of Very High Concern for authorisation) ≥ 0.1% CAS 110-54-3 - n-Hexane
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances ≥ 0.1% that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1% of substances with the following restrictions. 40, 48, 75
	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-REGULATIONS	ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2026, 67th Edition)
NATIONAL REGULATIONS (EU):	
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	97 % (678 g/L)

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H319 Causes serious eye irritation.
H340 May cause genetic defects.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H315 Causes skin irritation.
H361f Suspected of damaging fertility.

H280 Contains gas under pressure; may explode if heated.
H220 Extremely flammable gas.
EUH066 Repeated exposure may cause skin dryness or cracking.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.
H225 Highly flammable liquid and vapour.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

This document does not comply with Regulation (EC) No 1907/2006, article 31 (5) and may be used for internal purposes only.

Classification procedure

Aerosol 1: H222 Extremely flammable aerosol. (Bridging principle "Aerosols") H229
Pressurised container: May burst if heated. (Bridging principle "Aerosols")
STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (Bridging principle "Aerosols")

Modified position

none

Copyright: Chemiebüro®