SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

FADE OUT THINNER

Creation date	16th December 2024		
Revision date		Version	3.1

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

1.1. Product identifier — FADE OUT THINNER

Substance / mixture	mixture
Number	1 35077
UFI	KY22-6D1U-H00C-PUC2

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

Mixture's intended use

Varnish. For professional use only.

Main intended use

PC-PNT-7	Paint removers, thinners and related auxiliaries

The use descriptors

PROC 7	Industrial spraying
PROC 11	Non industrial spraying

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	RETECH, s.r.o.
Address	Vackova 1541/4, Praha 5 - Stodůlky, 155 00 Czech Republic
Identification number (CRN)	25018205
VAT Reg No	CZ25018205
Phone	+420327596428
E-mail	info@retech.cz
Web address	www.retech.com

Competent person responsible for the safety data sheet

Name	RETECH, s.r.o.
E-mail	info@retech.cz

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aerosol 1, H222, H229
Skin Irrit. 2, H315
Eye Dam. 1, H318
STOT SE 3, H336

Most serious adverse physico-chemical effects

Pressurised container: May burst if heated. Extremely flammable aerosol.

Most serious adverse effects on human health and the environment

Causes skin irritation. Causes serious eye damage. May cause drowsiness or dizziness.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

n-butyl acetate
2-methoxy-1-methylethyl acetate
ethyl acetate
cyclohexanone

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

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.
P260	Do not breathe spray.
P280	Wear eye protection/face protection.
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.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to in accordance with national regulations.

Supplemental information

Density	0.7 g/cm³ at 20 °C
VOC	99,6 %
Dry matter	0,0 % volume
VOC limit value	cat. B (e) : 840 g/l
Max. VOC content in the product in its ready to use condition	<839 g/l

2.3. Other hazards

Buildup of explosive mixtures possible without sufficient ventilation. The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-019-00-8 CAS: 115-10-6 EC: 204-065-8 Registration number: 01-2119472128-37	dimethyl ether	50-<75	Flam. Gas 1A, H220 Press. Gas (compressed gas), H280	2

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 Registration number: 01-2119485493-29	n-butyl acetate	5-<10	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	2
Index: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 Registration number: 01-2119475791-29	2-methoxy-1-methylethyl acetate	5-<10	Flam. Liq. 3, H226 STOT SE 3, H336	2
Index: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4 Registration number: 01-2119475103-46	ethyl acetate	5-<10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	2
Index: 606-010-00-7 CAS: 108-94-1 EC: 203-631-1 Registration number: 01-2119453616-35	cyclohexanone	5-<10	Flam. Liq. 3, H226 Acute Tox. 4, H302+H312+ H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	2
Index: 601-022-00-9 EC: 905-588-0 Registration number: 01-2119488216-32	xylene (contains ethylbenzene - CAS 100 -41-4)	5-<10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373	
Index: 607-130-00-2 CAS: 123-92-2 EC: 204-662-3	ISOAMYL ACETATE	<2.5	Flam. Liq. 3, H226 EUH066	1, 2

Notes

1 *Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.*

2 *A substance for which exposure limits are set.*

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

No specific first aid measures noted. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

Unlikely. Rinse out the mouth with clean water. In the event of issues, find medical help.

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

If inhaled

May cause drowsiness or dizziness.

If on skin

Causes skin irritation.

If in eyes

Causes serious eye damage.

If swallowed

not available

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, powder, water spray jet. Fight larger fires with water spray or alcohol resistant foam. Accommodate according to the location of the fire.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Pressurised container: May burst if heated. Extremely flammable aerosol. Remove all ignition sources. Use personal protective equipment for work. Keep unprotected persons away.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up

Provide sufficient ventilation. Use neutralising agent. Dispose of the collected material according to the instructions in the section 13.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Do not spray on an open flame or other ignition source. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Take precautionary measures against static discharge. Pressurised container: May burst if heated. Keep away from sources of heating, ignition and direct sunlight. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C.

Content	Packaging type	Material of package
400 ml	aerosol can	

Storage class 2B - Aerosols

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union **Commission Directive (EU) 2017/164**

Substance name (component)	Type	Value
ethyl acetate (CAS: 141−78−6)	OEL 8 hours	734 mg/m³
	OEL 8 hours	200 ppm
	OEL 15 minutes	1468 mg/m³
	OEL 15 minutes	400 ppm

European Union **Commission Directive (EU) 2019/1831**

Substance name (component)	Type	Value
n−butyl acetate (CAS: 123−86−4)	OEL 8 hours	241 mg/m³
	OEL 8 hours	50 ppm
	OEL 15 minutes	723 mg/m³
	OEL 15 minutes	150 ppm

European Union **Commission Directive 2000/39/EC**

Substance name (component)	Type	Value
dimethyl ether (CAS: 115−10−6)	OEL 8 hours	1920 mg/m³
	OEL 8 hours	1000 ppm
ISOAMYL ACETATE (CAS: 123−92−2)	OEL 8 hours	270 mg/m³
	OEL 8 hours	50 ppm
	OEL 15 minutes	540 mg/m³
	OEL 15 minutes	100 ppm

European Union **Commission Directive 2000/39/EC**

Substance name (component)	Type	Value
2−methoxy−1−methylethyl acetate (CAS: 108−65−6)	OEL 8 hours	275 mg/m³
	OEL 8 hours	50 ppm
	OEL 15 minutes	550 mg/m³

European Union **Commission Directive 2000/39/EC**

Substance name (component)	Type	Value
2−methoxy−1−methylethyl acetate (CAS: 108−65−6)	OEL 15 minutes	100 ppm
cyclohexanone (CAS: 108−94−1)	OEL 8 hours	40,8 mg/m³
	OEL 8 hours	10 ppm
	OEL 15 minutes	81,6 mg/m³
	OEL 15 minutes	20 ppm

Notes
Skin.

DNEL

xylene (contains ethylbenzene - CAS 100-41-4)			
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	1.6 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	180 mg/kg bw/day	Chronic effects systemic
Workers	Inhalation	289 mg/m³	Acute effects local
Workers	Inhalation	211 mg/m³	Chronic effects systemic
Workers	Inhalation	221 mg/m³	Chronic effects local
Workers	Inhalation	442 mg/m³	Acute effects systemic
Workers	Inhalation	289 mg/m³	Acute effects local
Consumers	Inhalation	14.8 mg/m³	Chronic effects systemic
Consumers	Inhalation	260 mg/m³	Acute effects systemic
Consumers	Inhalation	65.3 mg/m³	Chronic effects local
Consumers	Inhalation	260 mg/m³	Acute effects local

8.2. Exposure controls

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Eye/face protection

Tightly sealed goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. Material of gloves: Butyl rubber. Recommended thickness of the material: ≥ 0.4 mm. Penetration time of glove material: > 480 min. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. Other protection: protective workwear.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter A2/P3.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	black
Odour	characteristic
Melting point/freezing point	data not available

Boiling point or initial boiling point and boiling range	data not available
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	
bottom	3.3 %
upper	26.2 %
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	non-soluble (in water)
Kinematic viscosity	data not available
Solubility in water	almost insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	4000 hPa at 20 °C
Density and/or relative density	
Density	0.7 g/cm³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

data not available

9.2. Other information

Evaporation rate	data not available
Appearance	spray
Ignition temperature	240 °C
Content of organic solvents (VOC)	99.6 %
Solid content (dry matter)	0.0 % volume
VOC limit value	cat. B (e) : 840 g/l
Max. VOC content in the product in its ready to use condition	<839 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

not available

10.5. Incompatible materials

not available

10.6. Hazardous decomposition products

Unknown.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-methoxy-1-methylethyl acetate					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	8530 mg/kg		Rat	
Dermal	LD_{50}	>5000 mg/kg		Rabbit	
Inhalation	LC_{50}	>10000 mg/m³	4 hours	Rat	

cyclohexanone					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	1890 mg/kg		Rat	
Dermal	LD_{50}	1100 mg/kg		Rabbit	
Inhalation	LC_{50}	>6200 mg/m³	4 hours	Rat	
Inhalation	LC_{50}	536-572 mg/l	48 hours		

ethyl acetate					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Dermal	LD_{50}	5620 mg/kg		Rabbit	
Oral	LD_{50}	>18000 mg/kg		Rabbit	
Inhalation	LC_{50}	1600 mg/m³	4 hours	Rat	

n-butyl acetate					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	10770 mg/kg		Rat	
Dermal	LD_{50}	>17600 mg/kg		Rabbit	
Inhalation	LC_{50}	>21 mg/m³	4 hours	Rat	

xylene (contains ethylbenzene - CAS 100-41-4)					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	3523 mg/kg		Rat	
Dermal	LD_{50}	2000 mg/kg		Rabbit	
Inhalation	LC_{50}	29000 mg/m³	4 hours	Rat	

Skin corrosion/irritation

Causes skin irritation. Data for the components of the mixture are not available.

Serious eye damage/irritation

Causes serious eye damage. Data for the components of the mixture are not available.

Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure
May cause drowsiness or dizziness. Data for the components of the mixture are not available.

Toxicity for specific target organ - repeated exposure
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

Endocrine disrupting properties
Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information
not available

SECTION 12: Ecological information

12.1. Toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Acute toxicity

2-methoxy-1-methylethyl acetate				
Parameter	Value	Exposure time	Species	Environment
EC_{50}	>500 mg/l	48 hours	Daphnia (Daphnia magna)	
LC_{50}	100-180 mg/l	96 hours	Fish (Oncorhynchus mykiss)	

cyclohexanone				
Parameter	Value	Exposure time	Species	Environment
EC_{50}	820 mg/l	24 hours	Daphnia (Daphnia magna)	
EC_{50}	32.9 mg/l	72 hours	Algae	

dimethyl ether				
Parameter	Value	Exposure time	Species	Environment
EC_{50}	155 mg/l	96 hours	Algae	
LC_{50}	>4000 mg/l	48 hours	Daphnia (Daphnia magna)	
LC_{50}	>4000 mg/l	96 hours	Fish	

xylene (contains ethylbenzene - CAS 100-41-4)				
Parameter	Value	Exposure time	Species	Environment
EC_{50}	7.4 mg/l	48 hours	Daphnia (Daphnia magna)	
LC_{50}	13.5 mg/l	96 hours	Fish	

12.2. Persistence and degradability

No data are available for either the mixture or the components.

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Water hazard class 2 (German Regulation; Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Packaging waste type code

15 01 11* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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SECTION 14: Transport information

14.1. UN number or ID number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Stowage Code: SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
Segregation Code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

Hazard identification No.	
UN number	1950
Classification code	5F
Safety signs	2.1

Road transport - ADR

Limited quantities	1L
Excepted quantities	E0
Transport category	2
Tunnel restriction code	(D)

Railway transport - RID

Excepted quantities	E0

Marine transport - IMDG

EmS (emergency plan)	F-D, S-U

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

More information

Directive 2012/18/EU of the European parliament and of the Council - ANNEX I - Hazard categories: P3a FLAMMABLE AEROSOLS.
Qualifying quantity (tonnes) of dangerous substances for the application - of lower-tier requirements: 150 (net).
Qualifying quantity (tonnes) of dangerous substances for the application of - upper-tier requirements: 500 (net).

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H304	May be fatal if swallowed and enters airways.
H312+H332	Harmful in contact with skin or if inhaled.
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.
H373	May cause damage to organs through prolonged or repeated exposure.

Guidelines for safe handling used in the safety data sheet

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.
P260	Do not breathe spray.
P280	Wear eye protection/face protection.
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.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to in accordance with national regulations.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	European agreement concerning the international carriage of dangerous goods by road
Aerosol	Aerosol
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{50}	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association

IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
Press. Gas	Gases under pressure
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 3.1 replaces the SDS version from Tuesday, 13 June 2023. Changes were made in sections 1, 2, 8, 11, 12, 13 and 16.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.