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

- 1.1. Product identifier:  
Trade name - product code: **FADE OUT THINNER  
1 35077**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:  
Uses of the mixture: Lacquer.  
For professional and industrial use only.  
Uses advised against: Not known.
- 1.3. Details of the supplier of the safety data sheet:  
Identification of manufacturer/Supplier:  
RETECH, s.r.o.  
Vackova 1541/4  
150 00 Praha 5 - Stodůlky  
Telephone number/Fax: +420 327 596 128, +420 327 596 428  
E-mail: info@retech.cz
- 1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic  
Telephone number: +420 327 596 128 (7.30-16.00 hour)  
Toxikologické informační středisko (Toxicology information centre),  
Na bojišti 1, 128 08 PRAHA 2, Czech Republic  
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

**2. SECTION 2: Hazards identification**

- 2.1. Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008 [CLP]:  
Aerosol 1 H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.
- 2.2. Label elements:  
Labelling according to Regulation (EC) No 1272/2008 [CLP]:
- 

Signal Word: Danger

Hazard Statements:  
H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

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.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container in accordance with national regulation.
- 2.3. Other hazards:  
Buildup of explosive mixtures possible without sufficient ventilation.  
Results of PBT and vPvB assessment:  
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

- 3.2. Mixtures:  
Description of the mixture: Mixture of active ingredients with propellants

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### Hazardous ingredients:

CAS: 115-10-6 EINECS: 204-065-8 Reg. No.: 01-2119472128-37	Dimethyl ether Press. Gas, H280; Flam. Gas 1, H220	50 -< 75 %
CAS: 123-86-4 EINECS: 204-658-1 Reg. No.: 01-2119485493-29	Butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	12.5 -< 20 %
CAS: 108-65-6 EINECS: 203-603-9 Reg. No.: 01-2119475791-29	2-Methoxy-1-methylethyl acetate Flam. Liq. 3, H226	12.5 -< 20 %
CAS: 1330-20-7 EINECS: 215-535-7 Reg. No.: 01-2119488216-32	Xylene (mixture of isomers) Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	5 -< 10 %
CAS: 100-41-4 EINECS: 202-849-4 Reg. No.: 01-2119489370-35	Ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412	2.5 -< 5.0 %
CAS: 70657-70-4 EINECS: 274-724-2	2-Methoxypropyl acetate Flam. Liq. 3, H226; STOT SE 3, H336; Repr. 1B, H360D	≤ 0.5 %

For full text of H-statements: see SECTION 16.

#### 4. SECTION 4: First aid measures

##### 4.1. Description of first aid measures:

General notes: When in doubt or if symptoms are observed, get medical advice.  
 After inhalation: Move affected person to fresh air and keep at rest.  
 Get medical attention if any discomfort continues.  
 After skin contact: Generally the product does not irritate the skin.  
 After eye contact: Rinse opened eye for several minutes under running water.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 Get medical attention if any discomfort continues.  
 After swallowing: Rinse mouth with water.  
 Immediately call a doctor.

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

No further relevant information available.

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

No further relevant information available.

#### 5. SECTION 5: Firefighting measures

##### 5.1. Extinguishing media:

Suitable extinguishing agents: Carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray.  
 Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing agents:

Water jet.

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

No further relevant information available.

##### 5.3. Advice for firefighters:

Wear protective clothing and self-contained breathing apparatus.

#### 6. SECTION 6: Accidental release measures

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

Wear protective equipment, see Section 8.  
 Keep unprotected person away.  
 Ensure adequate ventilation.

##### 6.2. Environmental precautions:

Do not allow to enter sewage system or water course.

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

Ensure adequate ventilation.  
 Dispose contaminated material as waste according to Section 13.

##### 6.4. Reference to other sections:

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7. SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling:

- Protective measures: Wear protective equipment, see Section 8.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- Measures to prevent fire: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

- Requirements for storage rooms and vessels:  
Store in a cool place.  
Observe official regulations on storing packagings with pressurized containers.
- Technical measures and storage conditions:  
Observe official regulations on storing packagings with pressurized containers.
- Further information on storage conditions:  
Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

### 8. SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters:

Components with limit values that require monitoring at the workplace:

WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
115-10-6	Dimethyl ether	400	766	500	958	
123-86-4	Butyl acetate	150	724	200	966	
108-65-6	2-Methoxy-1-methylethyl acetate	50	274	100	548	Skin
1330-20-7	Xylene, mixed isomers	50	220	100	441	Skin, BMGV
100-41-4	Ethylbenzene	100	441	125	552	Skin
115-10-6	Dimethyl ether	400	766	500	958	

OEL (EU): 2000/39/EG, 2006/15/EG, 2009/161/EG

CAS	Substance	Eight hours		Short-term		Notation
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
115-10-6	Dimethylether	1000	1920	-	-	
108-65-6	2-Methoxy-1-methylethylacetate	50	275	100	550	Skin
1330-20-7	Xylene, mixed isomers, pure	50	221	100	442	Skin
100-41-4	Ethylbenzene	100	442	200	884	Skin

Biological limit values:

BMGV: EH40/2005

CAS	Substance	BMGV	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	650 mmol methyl hippuric acid/mol creatinine in urine	Post shift

Additional information: The lists that were valid during the compilation were as basis.

#### 8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation/exhaustion at the workplace.

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General protective measures: Wash hands before breaks and at the end of work.  
Do not inhale vapours/spray.

Personal protection equipment:

Respiratory protection: Not required.

Eye protection: Safety goggles.

Hand protection: Protective gloves  
Solvent resistant gloves.  
The glove material must be impermeable and resistant against the product/  
substance/preparation.  
The final selection of the glove material must be carried out on the basis  
of penetration times, permeation rates and degradation.  
Recommend material of gloves: butylrubber  
Penetration time of glove material:  
The exact break through time has to be found out by the manufacturer  
of the protective gloves and has to be observed.

Skin protection: Protective clothing.

**9. SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties:

Form: Aerosol

Colour: Transparent

Odour: Characteristic

Odour threshold: Not determined.

Value pH at 20 °C: Not determined.

Melting point/freezing point: Not determined.

Initial boiling point/boiling range: Not determined.

Flash point: Not determined.

Evaporation rate: Not determined.

Flammability (solid, gas): Not determined.

Explosive properties: In use, may form flammable/explosive vapour-air mixture.

Explosive limits:

- lower: 1.2 Vol %
- upper: 18.6 Vol %

Vapour pressure at 20 °C: 5200 hPa

Vapour density at 20 °C: Not determined.

Density at 20 °C: 0.76 g/cm<sup>3</sup>

Relative density: Not determined.

Solubility in/miscibility: Water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Ignition temperature: 235 °C

Decomposition temperature: Not determined.

Self-ignition temperature: The product is not selfigniting.

Viscosity: Not determined.

Oxidising properties: Not determined.

9.2. Other information:

VOC: 753.1 g/l

Solid content: 0.6 %

**10. SECTION 10: Stability and reactivity**

10.1. Reactivity: No further relevant information available.

10.2. Chemical stability: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions: No dangerous reactions known.

10.4. Conditions to avoid: No further relevant information available.

10.5. Incompatible materials: No further relevant information available.

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10.6. Hazardous decomposition products:

No dangerous decomposition products known.

**11. SECTION 11: Toxicological information**

11.1. Information on toxicological effects:

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

Relevant hazards for substance:

1330-20-7 Xylene (mix of isomers)

Oral	LD50 rat	8700 mg/kg
Dermal	LD50 rabbit	> 2000 mg/kg
Inhalative	LC50/4 h rat	6350 mg/m <sup>3</sup>

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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:

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

STOT-repeated exposure:

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

Aspiration hazard:

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

Other information:

No further relevant information available.

**12. SECTION 12: Ecological information**

12.1. Toxicity:

Aquatic toxicity: No further relevant information available.

1330-20-7 Xylene (mix of isomers)

Fish:	LC50/96 h	Onchorhynchus mykiss	7.6 mg/l
Invertebrates:	EC50/48 h	Daphnia magna	3.82 mg/l
Algae:	EC50/72 h	Pseudokirchneriella subcapitata	4.7 mg/l
Other organisms:	EC50/24 h	Bacteria	> 175 mg/l

12.2. Persistence and degradability: No further relevant information available.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Water danger class 2 (German Regulation) (Self-assessment):  
hazardous for water

Do not allow to enter water courses, ground water or drains.

Danger to drinking water if even small quantities leak into the ground.

12.5. Results of PBT and vPvB assessment:

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

12.6. Other adverse effects:

No further relevant information available.

**13. SECTION 13: Disposal considerations**

13.1. Waste treatment methods:

Product disposal:

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

European Waste Catalogue:

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

(\*hazardous waste)

Packagings disposal:

Disposal must be made according to official regulations.

European Waste Catalogue:

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

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(\*hazardous waste)

Other disposal recommendations:

Disposal must be made according to official regulations.  
The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

**14. SECTION 14: Transport information**

14.1. UN number:		UN 1950
ADR, IMDG, IATA		
14.2. UN proper shipping name:		1950 AEROSOLS
ADR		AEROSOLS
IMDG		AEROSOLS, flammable
IATA		
14.3. Transport hazard class(es):		
ADR		
Class		2.1
Hazard label		2.1
IMDG		
Class		2.1
Hazard label		2.1
IATA		
Class		2.1
Hazard label		2.1
14.4. Packing group:		Void
ADR, IMDG, IATA		
14.5. Environmental hazards:		
Marine pollutant:		No
14.6. Special precautions for user:		Warning: gases
EMS Number:		F-D, S-U
Danger Code (Kemler):		-
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:		Not applicable
ADR		
Limited quantities (LQ):		1L
Excepted quantities (EQ):		Code: E0
		Not permitted as Excepted Quantity
Transport category:		2
Tunnel restriction code:		D
IMDG		
Limited quantities (LQ):		1L
Excepted quantities (EQ):		Code: E0
		Not permitted as Excepted Quantity
UN "Model Regulation":		UN 1950, AEROSOLS, 2.1

**15. SECTION 15: Regulatory information**

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

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

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Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)  
 Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended  
 Commission Decision 2000/532/EC establishing a list of wastes, as amended  
 Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended  
 Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended  
 Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
 Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values  
 Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values  
 Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16. SECTION 16: Other information

Relevant H-statements (Section 3):

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H360D May damage the unborn child.

H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC50: Median effective concentration to 50% of a population

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LC50: Median concentration lethal to 50 % of a test population

LD50: Median dose lethal to 50 % of a test population

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

Reg. No.: Registration number

VOC: Volatile Organic Compounds

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Acute Tox. 4: Acute toxicity, category 4

Aerosol 1: Flammable aerosol, category 1

Aquatic Chronic 3: Hazardous to the aquatic environment, category 3

Asp. Tox. 1: Aspiration hazard, category 1

Flam. Gas 1: Flammable gas, category 1

Flam. Liq. 2: Flammable liquid, category 2

Flam. Liq. 3: Flammable liquid, category 3

Press. Gas: Gases under pressure

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Repr. 1: Reproductive toxicity, category 1  
Skin Irrit. 2: Skin irritation, category 2  
STOT RE 2: Specific target organ toxicity — repeated exposure, category 2  
STOT SE 3: Specific target organ toxicity — single exposure, category 3

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**\*Compared to the last version the data has been changed.**