

# BUILDING DECAPANT PEINTURE/GRAFFITI

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Reference number: 1/4/233

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : BUILDING DECAPANT PEINTURE/GRAFFITI  
Product code : 304081

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture :

##### 1.2.2. Uses advised against

No additional information available

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

IPC SAS  
10 Quai Cdt Malbert CS 71821  
29218 BREST  
France  
T 02-98-43-45-44 - F 02-98-43-22-53  
[ipc@ipc-sa.com](mailto:ipc@ipc-sa.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226  
Skin corrosion/irritation, Category 1, Sub-Category 1C H314  
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335  
Aspiration hazard, Category 1 H304  
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411

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

##### Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness. May cause respiratory irritation. Causes severe skin burns and eye damage. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02

GHS05

GHS07

GHS08

GHS09

Signal word (CLP)

: Danger

Contains

: Formic acid, Hydrocarbons, C9, aromatics

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H314 - Causes severe skin burns and eye damage.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing spray, mist, fume, gas, dust, vapours.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a doctor, a POISON CENTER.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. Immediately call a doctor, a POISON CENTER.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.  
P391 - Collect spillage.  
EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.  
Extra phrases : For professional users only.

EUH-statements

Extra phrases

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9, aromatics	CAS-No.: 64742-95-6 EC-No.: 918-668-5 REACH-no: 01-2119455851-35	30 - 50	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Formic acid substance with national workplace exposure limit(s) (FR, NL); substance with a Community workplace exposure limit	CAS-No.: 64-18-6 EC-No.: 200-579-1 EC Index-No.: 607-001-00-0 REACH-no: 01-2119491174-37	5 - 10	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol substance with national workplace exposure limit(s) (FR, NL)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	1 - 3	Flam. Liq. 2, H225 Eye Irrit. 2, H319
methanol substance with national workplace exposure limit(s) (FR, NL); substance with a Community workplace exposure limit	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	< 0.1	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370
Butanone substance with national workplace exposure limit(s) (FR, NL); substance with a Community workplace exposure limit	CAS-No.: 78-93-3 EC-No.: 201-159-0 EC Index-No.: 606-002-00-3 REACH-no: 01-2119457290-43	< 0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
propan-2-ol substance with national workplace exposure limit(s) (DE, FR, NL)	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	< 0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Formic acid	CAS-No.: 64-18-6 EC-No.: 200-579-1 EC Index-No.: 607-001-00-0 REACH-no: 01-2119491174-37	( 2 ≤C < 10) Eye Irrit. 2, H319 ( 2 ≤C < 10) Skin Irrit. 2, H315 ( 10 ≤C < 90) Skin Corr. 1B, H314 ( 90 ≤C < 100) Skin Corr. 1A, H314
Ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	( 50 ≤C < 100) Eye Irrit. 2, H319
methanol	CAS-No.: 67-56-1 EC-No.: 200-659-6 EC Index-No.: 603-001-00-X REACH-no: 01-2119433307-44	( 3 ≤C < 10) STOT SE 2, H371 ( 10 ≤C < 100) STOT SE 1, H370

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns. Risk of lung oedema.

### 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	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: Flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Advice for firefighters

Precautionary measures fire	: Do not enter fire area without proper protective equipment, including respiratory protection. Evacuate area. Eliminate all ignition sources if safe to do so. This product is not to be used under conditions of poor ventilation. Keep container tightly closed and away from heat, sparks and flame.
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures	: Evacuate area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters. Isolate from fire, if possible, without unnecessary risk. Evacuate unnecessary personnel. Do not handle until all safety precautions have been read and understood. Wear recommended personal protective equipment.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Do not get in eyes, on skin, or on clothing. Wear chemically resistant gloves (tested to EN374) in combination with specific activity training. Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe spray, mist, fume, gas, dust, vapours.

#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

For containment	: Stop leak without risks if possible. Collect spillage.
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- Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Keep away from sources of ignition - No smoking. Eliminate all ignition sources if safe to do so. Ensure good ventilation of the work station. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe spray, mist, fume, gas, dust, vapours.
- Handling temperature : < 30 °C
- Hygiene measures : Remove contaminated clothes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Keep away from food, drink and animal feeding stuffs.

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

- Technical measures : Comply with applicable regulations. Use only non-sparking tools. Ground/bond container and receiving equipment.
- Storage conditions : Store in original container. Keep in fireproof place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a dry place. Protect from freezing. Protect from sunlight. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
- Incompatible products : Oxidizing agent. Strong acids. Strong bases.
- Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.
- Maximum storage period : 13 months
- Storage temperature : 5 – 30 °C
- Storage area : Store in a well-ventilated place. Store away from heat.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Formic acid (64-18-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Formic acid
IOEL TWA	9 mg/m <sup>3</sup>
IOEL TWA [ppm]	5 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
France - Occupational Exposure Limits	
Local name	Acide formique

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<b>Formic acid (64-18-6)</b>	
VME (OEL TWA)	9 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	5 ppm
Remark	Valeurs réglementaires indicatives
Regulatory reference	Arrêté du 30 juin 2004 modifié (réf.: INRS ED 984, 2016)
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	9 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	5 mg/m <sup>3</sup>
<b>Ethanol (64-17-5)</b>	
<b>France - Occupational Exposure Limits</b>	
Local name	Alcool éthylique
VME (OEL TWA)	1900 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	1000 ppm
VLE (OEL C/STEL)	9500 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	5000 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	260 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	1900 mg/m <sup>3</sup>
<b>methanol (67-56-1)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Methanol
IOEL TWA	260 mg/m <sup>3</sup>
IOEL TWA [ppm]	200 ppm
Remark	skin
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
<b>France - Occupational Exposure Limits</b>	
Local name	Alcool méthylique (méthanol)
VME (OEL TWA)	260 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	200 ppm
VLE (OEL C/STEL)	1300 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	1000 ppm
Remark	VME réglementaires contraignantes; la VLE n'est pas réglementaire et provient d'une circulaire du ministère chargé du travail; risque de pénétration percutanée
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487)
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	133 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	266 mg/m <sup>3</sup>

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<b>Butanone (78-93-3)</b>	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Butanone
IOEL TWA	600 mg/m <sup>3</sup>
IOEL TWA [ppm]	200 ppm
IOEL STEL	900 mg/m <sup>3</sup>
IOEL STEL [ppm]	300 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
<b>France - Occupational Exposure Limits</b>	
Local name	Méthyléthylcétone (2-Butanone)
VME (OEL TWA)	600 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	200 ppm
VLE (OEL C/STEL)	900 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	300 ppm
Remark	Valeurs règlementaires contraignantes; risque de pénétration percutanée
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487; Décret n° 2020-1546; Décret n°2021-434)
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	590 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	900 mg/m <sup>3</sup>
<b>propan-2-ol (67-63-0)</b>	
<b>France - Occupational Exposure Limits</b>	
Local name	Alcool isopropylique
VLE (OEL C/STEL)	980 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	400 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
AGW (OEL TWA) [1]	500 mg/m <sup>3</sup>
AGW (OEL C)	1000 mg/m <sup>3</sup>
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	650 mg/m <sup>3</sup>
TGG-15min (OEL STEL)	0 mg/m <sup>3</sup>

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Use spark-/explosionproof appliances and lighting system. Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166
Face shield			EN 166

##### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear suitable gloves resistant to chemical penetration. Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Butyl rubber, Nitrile rubber (NBR), Neoprene rubber (HNBR)	6 (> 480 minutes)			EN ISO 374

##### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
	Type P2, Type A - High-boiling (>65 °C) organic compounds		EN 14387

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment.



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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not applicable
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 40 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: < 20 mm <sup>2</sup> /s
Solubility	: Poorly soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 0,98 +/- 0.03
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

#### 9.2. Other information

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

No additional information available

##### 9.2.2. Other safety characteristics

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Extremely high or low temperatures. Direct sunlight. gel. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

<b>Formic acid (64-18-6)</b>	
LD50 oral	> 730 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	7400 mg/l

<b>Ethanol (64-17-5)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 oral	10470 mg/kg bodyweight
LC50 Inhalation - Rat	> 20 mg/l/4h
LC50 Inhalation - Rat (Dust/Mist)	> 99999 mg/l

<b>methanol (67-56-1)</b>	
LD50 oral	5628 mg/kg bodyweight
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	85000 mg/l

<b>Hydrocarbons, C9, aromatics (64742-95-6)</b>	
LD50 oral rat	3592 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat (Vapours)	> 6193 mg/l/4h

<b>propan-2-ol (67-63-0)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	20 mg/l 8h

Skin corrosion/irritation : Causes severe skin burns.  
Serious eye damage/irritation : Assumed to cause serious eye damage  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation.

<b>methanol (67-56-1)</b>	
STOT-single exposure	Causes damage to organs.

<b>Hydrocarbons, C9, aromatics (64742-95-6)</b>	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

<b>Butanone (78-93-3)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

<b>propan-2-ol (67-63-0)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.

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Viscosity, kinematic	< 20 mm <sup>2</sup> /s
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### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Do not discharge into drains or the environment. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

#### Formic acid (64-18-6)

LC50 - Fish [1]	68 mg/l
EC50 - Other aquatic organisms [1]	365 mg/l waterflea
EC50 - Other aquatic organisms [2]	26,9 mg/l
EC50 72h - Algae [1]	1240 mg/l <i>Selenastrum capricornutum</i>

#### Ethanol (64-17-5)

LC50 - Fish [1]	14200 mg/l
LC50 - Fish [2]	11200 mg/l <i>salmo gairdneri</i>
EC50 - Crustacea [1]	858 mg/l <i>artemia salina</i>
EC50 - Crustacea [2]	> 10000 mg/l <i>daphnia magna</i>
EC50 - Other aquatic organisms [1]	5012 mg/l waterflea
EC50 - Other aquatic organisms [2]	275 mg/l
EC50 72h - Algae [1]	275 mg/l <i>chlorella vulgaris</i>

#### methanol (67-56-1)

LC50 - Fish [1]	10800 mg/l
EC50 - Other aquatic organisms [1]	10000 mg/l waterflea
EC50 - Other aquatic organisms [2]	12000 mg/l

#### Hydrocarbons, C9, aromatics (64742-95-6)

LC50 - Fish [1]	9,2 mg/l <i>Oncorhynchus mykiss</i>
EC50 - Crustacea [1]	3,2 mg/l <i>Daphnia magna</i>
EC50 72h - Algae [1]	2,9 mg/l <i>Pseudokirchneriella subcapitata</i>

#### Butanone (78-93-3)

EC50 72h - Algae [1]	1972 mg/l <i>Pseudokirchneriella subcapitata</i>
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#### propan-2-ol (67-63-0)

LC50 - Fish [1]	> 100 mg/l <i>leuciscus idus melanotus</i>
EC50 - Crustacea [1]	> 100 mg/l <i>diaphnia magma</i>
EC50 72h - Algae [1]	> 100 mg/l <i>scenedesmus subspicatus</i>

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### 12.2. Persistence and degradability

#### Formic acid (64-18-6)

Biochemical oxygen demand (BOD)	86
Chemical oxygen demand (COD)	348

#### Ethanol (64-17-5)

Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0,01 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1,9 g O <sub>2</sub> /g substance
Biodegradation	84 %

#### methanol (67-56-1)

Biodegradation	95 % 20d
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#### Hydrocarbons, C9, aromatics (64742-95-6)

Persistence and degradability	Readily biodegradable.
Biodegradation	78 %

#### Butanone (78-93-3)

Biodegradation	98 % OCDE301D
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#### propan-2-ol (67-63-0)

Persistence and degradability	Readily biodegradable.
Biodegradation	53 %

### 12.3. Bioaccumulative potential

#### Formic acid (64-18-6)

Partition coefficient n-octanol/water (Log Pow)	-2,1
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#### Ethanol (64-17-5)

Partition coefficient n-octanol/water (Log Pow)	-0,32
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#### methanol (67-56-1)

Bioconcentration factor (BCF REACH)	< 10
Partition coefficient n-octanol/water (Log Pow)	-0,7

#### Butanone (78-93-3)

Partition coefficient n-octanol/water (Log Pow)	0,3
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#### propan-2-ol (67-63-0)

Partition coefficient n-octanol/water (Log Pow)	0,05
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### 12.4. Mobility in soil

#### Formic acid (64-18-6)

Surface tension	71,5 mN/m 20°C
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### 12.5. Results of PBT and vPvB assessment

No additional information available

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### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. Do not discharge into drains or the environment.
Additional information	: Handle empty containers with care because residual vapours are flammable. Flammable vapours may accumulate in the container.
Ecology - waste materials	: Do not discharge into drains or the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 2924	UN 2924	UN 2924	UN 2924	UN 2924
<b>14.2. UN proper shipping name</b>				
FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid)	Flammable liquid, corrosive, n.o.s. (Hydrocarbons, C9, aromatics ; Formic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid)	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid)
<b>Transport document description</b>				
UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid), 3 (8), III, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid), 3 (8), III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 2924 Flammable liquid, corrosive, n.o.s. (Hydrocarbons, C9, aromatics ; Formic acid), 3 (8), III, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid), 3 (8), III, ENVIRONMENTALLY HAZARDOUS	UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Hydrocarbons, C9, aromatics ; Formic acid), 3 (8), III, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>				
3 (8)	3 (8)	3 (8)	3 (8)	3 (8)
<b>14.4. Packing group</b>				
III	III	III	III	III

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ADR	IMDG	IATA	ADN	RID
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : FC  
Special provisions (ADR) : 274  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, R001  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T7  
Portable tank and bulk container special provisions (ADR) : TP1, TP28  
Tank code (ADR) : L4BN  
Vehicle for tank carriage : FL  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Operation (ADR) : S2  
Hazard identification number (Kemler No.) : 38  
Orange plates :



Tunnel restriction code (ADR) : D/E  
EAC code : •3W  
APP code : A(fl)

#### Transport by sea

Special provisions (IMDG) : 223, 274  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP1, TP28  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-C  
Stowage category (IMDG) : A  
Stowage and handling (IMDG) : SW2  
Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

#### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y342  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 354  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 365  
CAO max net quantity (IATA) : 60L  
Special provisions (IATA) : A3, A803  
ERG code (IATA) : 3C

#### Inland waterway transport

Classification code (ADN) : FC

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Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0

### Rail transport

Classification code (RID)	: FC
Special provisions (RID)	: 274
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP1, TP28
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 38

### 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

#### 15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	BUILDING DECAPANT PEINTURE/GRAFFITI ; Formic acid ; Ethanol ; methanol ; Hydrocarbons, C9, aromatics ; Butanone ; propan-2-ol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	BUILDING DECAPANT PEINTURE/GRAFFITI ; Formic acid ; Ethanol ; methanol ; Hydrocarbons, C9, aromatics ; Butanone ; propan-2-ol	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	BUILDING DECAPANT PEINTURE/GRAFFITI ; Hydrocarbons, C9, aromatics	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Formic acid ; Ethanol ; methanol ; Hydrocarbons, C9, aromatics ; Butanone ; propan-2-ol	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.
69.	methanol	Methanol

Contains no substance on the REACH candidate list

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Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Methylethylketone	Butanone	78-93-3	2914 12 00	Catégorie 3		Annexe I

### 15.1.2. National regulations

France	
Occupational diseases	
Code	Description
RG 4 BIS	Gastrointestinal disorders caused by benzene, toluene, xylenes and all products containing them
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

#### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

ABM category : A(2) - toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen : Ethanol is listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : Ethanol is listed

SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : Ethanol is listed

#### Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H226;H304;H314;H335;H336;H411>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### Switzerland

Storage class (LK) : LK 3 - Flammable liquids

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out



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### SECTION 16: Other information

#### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

#### Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
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Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H371	May cause damage to organs.
H411	Toxic to aquatic life with long lasting effects.
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 1	Specific target organ toxicity – single exposure, Category 1
STOT SE 2	Specific target organ toxicity – Single exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.