

# SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2020/878

## NOVACLEAR COAT 1K SG

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

#### 1.1. Product identifier

**Product name** : NOVACLEAR COAT 1K SG  
**Registration number REACH** : Not applicable (mixture)  
**Product type REACH** : Mixture

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

##### 1.2.1 Relevant identified uses

Lacquer/varnish

##### 1.2.2 Uses advised against

No uses advised against known

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

##### Supplier of the safety data sheet

Novatio\*  
Industrielaan 5B  
B-2250 Olen  
☎ +32 14 25 76 40  
☎ +32 14 22 02 66  
info@novatio.be  
\*NOVATIO is a registered trademark of Novatech International N.V.

##### Manufacturer of the product

Novatech International N.V.  
Industrielaan 5B  
B-2250 Olen  
☎ +32 14 85 97 37  
☎ +32 14 85 97 38  
info@novatech.be

#### 1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) :  
+32 14 58 45 45 (BIG)

### SECTION 2: Hazards identification

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

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Aerosol	category 1	H222: Extremely flammable aerosol.
Aerosol	category 1	H229: Pressurised container: May burst if heated.
Skin Irrit.	category 2	H315: Causes skin irritation.
Eye Irrit.	category 2	H319: Causes serious eye irritation.
STOT SE	category 3	H336: May cause drowsiness or dizziness.
Aquatic Chronic	category 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements



Contains: acetone.

##### Signal word

Danger

##### H-statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

##### P-statements

# NOVACLEAR COAT 1K SG

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.
P280	Wear protective gloves, protective clothing and eye protection/face protection.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122°F.

### 2.3. Other hazards

Gas/vapour spreads at floor level: ignition hazard

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name REACH Registration No	CAS No EC No List No	Conc. (C)	Classification according to CLP	Note	Remark	M-factors and ATE
acetone 01-2119471330-49	67-64-1 200-662-2	20%≤C<25%	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	(1)(2)(10)	Constituent	
reaction mass of ethylbenzene and xylene 01-2119488216-32	905-588-0	5%≤C<10%	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	(1)(10)	Constituent	
hydrocarbons, C9, aromatics 01-2119455851-35	918-668-5	5%≤C<10%	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066	(1)(10)	Constituent	
2-methoxy-1-methylethyl acetate 01-2119475791-29	108-65-6 203-603-9	2.5%≤C<5%	Flam. Liq. 3; H226	(1)(2)(10)	Constituent	
ethylbenzene 01-2119489370-35	100-41-4 202-849-4	2.5%≤C<5%	Flam. Liq. 2; H225 Acute Tox. 4; H332 Asp. Tox. 1; H304 STOT RE 2; H373 Aquatic Chronic 3; H412	(1)(2)(6)(10)	Constituent	
butan-1-ol 01-2119484630-38	71-36-3 200-751-6	C<2.5%	Flam. Liq. 3; H226 Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335 STOT SE 3; H336	(1)(2)(10)	Constituent	
propane 01-2119486944-21	74-98-6 200-827-9	5%≤C<10%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant	
dimethyl ether 01-2119472128-37	115-10-6 204-065-8	12.5% ≤C<20%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)	Propellant	
butane 01-2119485395-27	106-97-8 203-448-7	5%≤C<10%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)(21)	Propellant	
isobutane 01-2119485395-27	75-28-5 200-857-2	5%≤C<10%	Flam. Gas 1A; H220 Press. Gas - Liquefied gas; H280	(1)(2)(10)(21)	Propellant	

(1) For H- and EUH-statements in full: see section 16  
 (2) Substance with a Community workplace exposure limit  
 (6) Enumerated in Annex VI of Regulation (EC) No. 1272/2008 but the classification has been adapted after evaluation of available test data  
 (10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006  
 (21) 1,3-butadiene <0.1%  
 Note: numbers 9xx-xxx-x are provisional list numbers assigned by Echa pending an official EC inventory number

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General:

Observe (own) safety. If possible, approach victim and check vital functions. In case of injury and/or intoxication, call the European emergency number 112. Treat symptoms starting with most life-threatening injuries and disorders. Keep victim under observation, possibility of delayed symptoms.

#### After inhalation:

Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.

#### After skin contact:

If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water. If irritation persists, consult a doctor/medical service.

#### After eye contact:

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.

#### After ingestion:

Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

#### 4.2.1 Acute symptoms

##### After inhalation:

Dizziness. Drowsiness.

##### After skin contact:

Tingling/irritation of the skin.

##### After eye contact:

Irritation of the eye tissue.

##### After ingestion:

No effects known.

#### 4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### 5.1.1 Suitable extinguishing media:

Small fire: Water, Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting CO2 extinguisher.

Major fire: Quantities of water.

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

Upon combustion: CO and CO2 are formed. Pressurised container: May burst if heated.

### 5.3. Advice for firefighters

#### 5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion. Take account of environmentally hazardous firefighting water.

#### 5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

## SECTION 6: Accidental release measures

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

Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment.

#### 6.1.1 Protective equipment for non-emergency personnel

See section 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034).

##### Suitable protective clothing

See section 8.2

### 6.2. Environmental precautions

Contain released product.

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

Take up liquid spill into absorbent material. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

# NOVACLEAR COAT 1K SG

See section 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1. Precautions for safe handling

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Remove contaminated clothing immediately.

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

#### 7.2.1 Safe storage requirements:

Storage temperature: < 50 °C. Meet the legal requirements. Keep container in a well-ventilated place. Fireproof storeroom. Keep out of direct sunlight.

#### 7.2.2 Keep away from:

Heat sources, ignition sources.

#### 7.2.3 Suitable packaging material:

Aerosol.

#### 7.2.4 Non suitable packaging material:

No data available

### 7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

#### EU

2-Methoxy-1-methylethylacetate	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	50 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	275 mg/m <sup>3</sup>
	Short time value (Indicative occupational exposure limit value)	100 ppm
	Short time value (Indicative occupational exposure limit value)	550 mg/m <sup>3</sup>
Acetone	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	500 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	1210 mg/m <sup>3</sup>
Dimethylether	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	1000 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	1920 mg/m <sup>3</sup>
Ethylbenzene	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	100 ppm
	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	442 mg/m <sup>3</sup>
	Short time value (Indicative occupational exposure limit value)	200 ppm
	Short time value (Indicative occupational exposure limit value)	884 mg/m <sup>3</sup>

#### Belgium

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Acétate de 2-(1-méthoxy)propyle	Time-weighted average exposure limit 8 h	50 ppm
	Time-weighted average exposure limit 8 h	275 mg/m <sup>3</sup>
	Short time value	100 ppm
	Short time value	550 mg/m <sup>3</sup>
Acétone	Time-weighted average exposure limit 8 h	500 ppm
	Time-weighted average exposure limit 8 h	1210 mg/m <sup>3</sup>
	Short time value	1000 ppm
	Short time value	2420 mg/m <sup>3</sup>
Alcool n-butylique	Time-weighted average exposure limit 8 h	20 ppm
	Time-weighted average exposure limit 8 h	62 mg/m <sup>3</sup>
Butane, tous isomères: iso-butane	Short time value	980 ppm
	Short time value	2370 mg/m <sup>3</sup>
Butane, tous isomères: n-butane	Short time value	980 ppm
	Short time value	2370 mg/m <sup>3</sup>
Ethylbenzène	Time-weighted average exposure limit 8 h	20 ppm
	Time-weighted average exposure limit 8 h	87 mg/m <sup>3</sup>
	Short time value	125 ppm
	Short time value	551 mg/m <sup>3</sup>
Hydrocarbures aliphatiques sous forme gazeuse: (Alcanes C1-C3)	Time-weighted average exposure limit 8 h	1000 ppm
Oxyde de diméthyle	Time-weighted average exposure limit 8 h	1000 ppm
	Time-weighted average exposure limit 8 h	1920 mg/m <sup>3</sup>

## The Netherlands

1-Methoxy-2-propylacetaat	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	100 ppm
1-methoxy-2-propylacetaat	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	550 mg/m <sup>3</sup>
Aceton	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	500 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	1210 mg/m <sup>3</sup>
	Short time value (Public occupational exposure limit value)	1002 ppm
	Short time value (Public occupational exposure limit value)	2420 mg/m <sup>3</sup>
Dimethylether	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	496 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	950 mg/m <sup>3</sup>
	Short time value (Public occupational exposure limit value)	783 ppm
	Short time value (Public occupational exposure limit value)	1500 mg/m <sup>3</sup>
Ethylbenzeen	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	49 ppm
	Time-weighted average exposure limit 8 h (Public occupational exposure limit value)	215 mg/m <sup>3</sup>
	Short time value (Public occupational exposure limit value)	97 ppm
	Short time value (Public occupational exposure limit value)	430 mg/m <sup>3</sup>

## France

Acétate de 2-méthoxy-1-méthyléthyle	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	50 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	275 mg/m <sup>3</sup>
	Short time value (VRC: Valeur réglementaire contraignante)	100 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	550 mg/m <sup>3</sup>
Acétone	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	500 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	1210 mg/m <sup>3</sup>
	Short time value (VRC: Valeur réglementaire contraignante)	1000 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	2420 mg/m <sup>3</sup>
Alcool n-butylique	Short time value (VL: Valeur non réglementaire indicative)	50 ppm
	Short time value (VL: Valeur non réglementaire indicative)	150 mg/m <sup>3</sup>
Ethylbenzène	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	20 ppm
	Time-weighted average exposure limit 8 h (VRC: Valeur réglementaire contraignante)	88.4 mg/m <sup>3</sup>
	Short time value (VRC: Valeur réglementaire contraignante)	100 ppm
	Short time value (VRC: Valeur réglementaire contraignante)	442 mg/m <sup>3</sup>
n-Butane	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	800 ppm

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n-Butane	Time-weighted average exposure limit 8 h (VL: Valeur non réglementaire indicative)	1900 mg/m <sup>3</sup>
Oxyde de diméthyle	Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire indicative)	1000 ppm
	Time-weighted average exposure limit 8 h (VRI: Valeur réglementaire indicative)	1920 mg/m <sup>3</sup>

## Germany

2-Methoxy-1-methylethylacetat	Time-weighted average exposure limit 8 h (TRGS 900)	50 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	270 mg/m <sup>3</sup>
Aceton	Time-weighted average exposure limit 8 h (TRGS 900)	500 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	1200 mg/m <sup>3</sup>
Butan	Time-weighted average exposure limit 8 h (TRGS 900)	1000 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	2400 mg/m <sup>3</sup>
Butan-1-ol	Time-weighted average exposure limit 8 h (TRGS 900)	100 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	310 mg/m <sup>3</sup>
Dimethylether	Time-weighted average exposure limit 8 h (TRGS 900)	1000 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	1900 mg/m <sup>3</sup>
Ethylbenzol	Time-weighted average exposure limit 8 h (TRGS 900)	20 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	88 mg/m <sup>3</sup>
Isobutan	Time-weighted average exposure limit 8 h (TRGS 900)	1000 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	2400 mg/m <sup>3</sup>
Propan	Time-weighted average exposure limit 8 h (TRGS 900)	1000 ppm
	Time-weighted average exposure limit 8 h (TRGS 900)	1800 mg/m <sup>3</sup>

## UK

1-Methoxypropyl acetate	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	50 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	274 mg/m <sup>3</sup>
	Short time value (Workplace exposure limit (EH40/2005))	100 ppm
	Short time value (Workplace exposure limit (EH40/2005))	548 mg/m <sup>3</sup>
Acetone	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	500 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1210 mg/m <sup>3</sup>
	Short time value (Workplace exposure limit (EH40/2005))	1500 ppm
	Short time value (Workplace exposure limit (EH40/2005))	3620 mg/m <sup>3</sup>
Butan-1-ol	Short time value (Workplace exposure limit (EH40/2005))	50 ppm
	Short time value (Workplace exposure limit (EH40/2005))	154 mg/m <sup>3</sup>
Butane	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	600 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	1450 mg/m <sup>3</sup>
	Short time value (Workplace exposure limit (EH40/2005))	750 ppm
	Short time value (Workplace exposure limit (EH40/2005))	1810 mg/m <sup>3</sup>
Dimethyl ether	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	400 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	766 mg/m <sup>3</sup>
	Short time value (Workplace exposure limit (EH40/2005))	500 ppm
	Short time value (Workplace exposure limit (EH40/2005))	958 mg/m <sup>3</sup>
Ethylbenzene	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	100 ppm
	Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))	441 mg/m <sup>3</sup>
	Short time value (Workplace exposure limit (EH40/2005))	125 ppm
	Short time value (Workplace exposure limit (EH40/2005))	552 mg/m <sup>3</sup>

## USA (TLV-ACGIH)

Acetone	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	250 ppm
	Short time value (TLV - Adopted Value)	500 ppm
Butane, isomers	Short time value (TLV - Adopted Value)	1000 ppm
Ethyl benzene	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	20 ppm
n-Butanol	Time-weighted average exposure limit 8 h (TLV - Adopted Value)	20 ppm

## b) National biological limit values

If limit values are applicable and available these will be listed below.

### Germany

Aceton (Aceton)	Urin: expositionsende, bzw. schichtende	80 mg/l	
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Butan-1-ol (1-Butanol) (Butan-1-ol (1-Butanol) (nach Hydrolyse))	Urin: expositionsende, bzw. schichtende	10 mg/g Kreatinin	
Butan-1-ol (1-Butanol) (Butan-1-ol (1-Butanol) (nach Hydrolyse))	Urin: vor nachfolgender schicht	2 mg/g Kreatinin	
Ethylbenzol (Mandelsäure plus Phenylglyoxylsäure)	Urin: expositionsende, bzw. schichtende	250 mg/g Kreatinin	

## USA (BEI-ACGIH)

Acetone (Acetone)	Urine: end of shift	25 mg/L	Nonspecific
Ethyl benzene (Sum of mandelic acid and phenylglyoxylic acid)	Urine: end of shift	0,15 g/g creatinine	Nonspecific

## 8.1.2 Sampling methods

Product name	Test	Number
1-Methoxy-2-Propyl Acetate	OSHA	99
Acetone (ketones 1)	NIOSH	1300
Acetone (ketones I)	NIOSH	2555
Acetone (organic and inorganic gases by Extractive FTIR)	NIOSH	3800
Acetone (Volatile Organic compounds)	NIOSH	2549
ACETONE and METHYL ETHYL KETONE in urine	NIOSH	8319
Acetone	OSHA	69
Butanol (Volatile Organic compounds)	NIOSH	2549
Butyl Alcohol	OSHA	7
Ethyl Benzene (Hydrocarbons, Aromatic)	NIOSH	1501
Ethyl Benzene	OSHA	1002
Ethyl Benzene	OSHA	7
n-Butyl Alcohol (Alcohols Combined)	NIOSH	1405
n-Butyl Alcohol (Alcohols II)	NIOSH	1401
Propylene glycol monomethyl ether acetate (glycol ethers)	NIOSH	2554

## 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

## 8.1.4 Threshold values

### DNEL/DMEL - Workers

acetone

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	1210 mg/m <sup>3</sup>	
	Acute local effects inhalation	2420 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	186 mg/kg bw/day	

reaction mass of ethylbenzene and xylene

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	221 mg/m <sup>3</sup>	
	Acute systemic effects inhalation	442 mg/m <sup>3</sup>	
	Long-term local effects inhalation	221 mg/m <sup>3</sup>	
	Acute local effects inhalation	442 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	212 mg/kg bw/day	

hydrocarbons, C9, aromatics

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	150 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	25 mg/kg bw/day	

2-methoxy-1-methylethyl acetate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	275 mg/m <sup>3</sup>	
	Acute local effects inhalation	550 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	796 mg/kg bw	

ethylbenzene

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	77 mg/m <sup>3</sup>	
	Acute local effects inhalation	293 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	180 mg/kg bw/day	

butan-1-ol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term local effects inhalation	310 mg/m <sup>3</sup>	

### DNEL/DMEL - General population

acetone

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	200 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	62 mg/kg bw/day	
	Long-term systemic effects oral	62 mg/kg bw/day	

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## reaction mass of ethylbenzene and xylene

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	65.3 mg/m <sup>3</sup>	
	Acute systemic effects inhalation	260 mg/m <sup>3</sup>	
	Long-term local effects inhalation	65.3 mg/m <sup>3</sup>	
	Acute local effects inhalation	260 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	125 mg/kg bw/day	
	Long-term systemic effects oral	12.5 mg/kg bw/day	

## hydrocarbons, C9, aromatics

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	32 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	11 mg/kg bw/day	
	Long-term systemic effects oral	11 mg/kg bw/day	

## 2-methoxy-1-methylethyl acetate

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	33 mg/m <sup>3</sup>	
	Long-term local effects inhalation	33 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	320 mg/kg bw	
	Long-term systemic effects oral	36 mg/kg bw	

## ethylbenzene

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	15 mg/m <sup>3</sup>	
	Long-term systemic effects oral	1.6 mg/kg bw/day	

## butan-1-ol

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	55.357 mg/m <sup>3</sup>	
	Long-term local effects inhalation	155 mg/m <sup>3</sup>	
	Long-term systemic effects dermal	3.125 mg/kg bw/day	
	Long-term systemic effects oral	1.562 mg/kg bw/day	

## PNEC

### acetone

Compartments	Value	Remark
Fresh water	10.6 mg/l	
Marine water	1.06 mg/l	
Fresh water (intermittent releases)	21 mg/l	
STP	100 mg/l	
Fresh water sediment	30.4 mg/kg sediment dw	
Marine water sediment	3.04 mg/kg sediment dw	
Soil	29.5 mg/kg soil dw	

## reaction mass of ethylbenzene and xylene

Compartments	Value	Remark
STP	1.3 mg/l	

## 2-methoxy-1-methylethyl acetate

Compartments	Value	Remark
Fresh water	0.635 mg/l	
Marine water	0.064 mg/l	
Fresh water (intermittent releases)	6.35 mg/l	
STP	100 mg/l	
Fresh water sediment	3.29 mg/kg sediment dw	
Marine water sediment	0.329 mg/kg sediment dw	
Soil	0.29 mg/kg soil dw	

## ethylbenzene

Compartments	Value	Remark
Fresh water	0.1 mg/l	
Marine water	0.01 mg/l	
Fresh water (intermittent releases)	0.1 mg/l	
STP	9.6 mg/l	
Fresh water sediment	13.7 mg/kg sediment dw	
Marine water sediment	1.37 mg/kg sediment dw	
Soil	2.68 mg/kg soil dw	
Oral	0.02 g/kg food	



# NOVACLEAR COAT 1K SG

butan-1-ol

Compartment	Value	Remark
Fresh water	0.082 mg/l	
Marine water	0.008 mg/l	
Fresh water (intermittent releases)	2.25 mg/l	
STP	2476 mg/l	
Fresh water sediment	0.324 mg/kg sediment dw	
Marine water sediment	0.032 mg/kg sediment dw	
Soil	0.017 mg/kg soil dw	

## 8.1.5 Control banding

If applicable and available it will be listed below.

## 8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 8.2.1 Appropriate engineering controls

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly.

### 8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

#### a) Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit.

#### b) Hand protection:

Protective gloves against chemicals (EN 374).

#### c) Eye protection:

Protective goggles (EN 166).

#### d) Skin protection:

Protective clothing (EN 14605 or EN 13034). Head/neck protection.

### 8.2.3 Environmental exposure controls:

See sections 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

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

Physical form	Aerosol
Odour	Characteristic odour
Odour threshold	No data available in the literature
Colour	Variable in colour, depending on the composition
Particle size	Not applicable (aerosol)
Explosion limits	2.6 - 26 vol % ; Propellant
Flammability	Extremely flammable aerosol.
Log Kow	Not applicable (mixture)
Dynamic viscosity	Not applicable (aerosol)
Kinematic viscosity	Not applicable (aerosol)
Melting point	Not applicable (aerosol)
Boiling point	No data available in the literature
Relative vapour density	No data available in the literature
Vapour pressure	4000 hPa ; 20 °C ; Liquid
Solubility	Water ; insoluble
Relative density	0.80 ; 20 °C ; Liquid
Absolute density	800 kg/m <sup>3</sup> ; 20 °C ; Liquid
Decomposition temperature	No data available in the literature
Auto-ignition temperature	Not applicable (aerosol)
Flash point	Not applicable (aerosol)
pH	Not applicable (non-soluble in water)

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

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# NOVACLEAR COAT 1K SG

## Precautionary measures

Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks.

## 10.5. Incompatible materials

No data available.

## 10.6. Hazardous decomposition products

Upon combustion: CO and CO<sub>2</sub> are formed.

## SECTION 11: Toxicological information

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

#### 11.1.1 Test results

#### Acute toxicity

##### NOVACLEAR COAT 1K SG

No (test) data on the mixture available

Judgement is based on the relevant ingredients  
acetone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		5800 mg/kg		Rat (female)	Experimental value	
Dermal	LD50		> 15800 mg/kg bw	24 h	Rabbit (male)	Weight of evidence	
Inhalation (vapours)	LC50		76 mg/l	4 h	Rat (female)	Weight of evidence	
					(male)		

##### reaction mass of ethylbenzene and xylene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to EU Method B.1	3523 mg/kg bw		Rat (male)	Experimental value	
Oral	LD50	Equivalent to EU Method B.1	> 4000 mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50		> 5000 mg/kg bw	4 h	Rabbit (male)	Weight of evidence	
Dermal			category 4			Literature study	
Inhalation (vapours)	LC50	Equivalent to EU Method B.2	29.09 mg/l	4 h	Rat (male)	Experimental value	
Inhalation (vapours)			category 4			Literature study	

##### hydrocarbons, C9, aromatics

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		> 6984 mg/kg bw		Rat (male)	Experimental value	
Oral	LD50		3492 mg/kg bw		Rat (female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 3160 mg/kg bw	24 h	Rabbit (male / female)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 6.193 mg/l air	4 h	Rat (male / female)	Experimental value	

##### 2-methoxy-1-methylethyl acetate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	6190 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 5000 mg/kg bw	24 h	Rabbit (male / female)	Experimental value	
Inhalation	LC0	Equivalent to OECD 403	10.8 mg/l	3 h	Rat (male)	Experimental value	

##### ethylbenzene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		3500 mg/kg		Rat (male / female)	Experimental value	
Dermal	LD50		15432 mg/kg	24 h	Rabbit (male)	Experimental value	
Inhalation (vapours)	LC50		17.8 mg/l	4 h	Rat (male)		

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# NOVACLEAR COAT 1K SG

## butan-1-ol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	Equivalent to OECD 401	2292 mg/kg bw		Rat (female)	Experimental value	
Oral			category 4			Annex VI	
Dermal	LD50	Equivalent to OECD 402	3430 mg/kg bw	24 h	Rabbit (male)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	> 17.76 mg/l air	4 h	Rat (male / female)	Experimental value	

Classification of this substance according to Annex VI is debatable as it does not correspond to the conclusion from the test

### **Conclusion**

Not classified for acute toxicity

### **Corrosion/irritation**

#### NOVACLEAR COAT 1K SG

No (test) data on the mixture available

Classification is based on the relevant ingredients

#### acetone

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating	OECD 405	24 h	24; 48; 72 hours	Rabbit	Experimental value	Single treatment with rinsing
Skin	Not irritating		3 day(s)	24; 48; 72 hrs; 4 days	Guinea pig	Weight of evidence	
Inhalation	Slightly irritating	Human observation study	20 minutes		Human	Literature study	

#### reaction mass of ethylbenzene and xylene

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Irritating		72 h	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Irritating		24 h	24; 72 hours	Rabbit	Weight of evidence	
Inhalation	Irritating; STOT SE cat.3						

#### hydrocarbons, C9, aromatics

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405		1; 24; 48; 72 hours	Rabbit	Experimental value	
Skin	Slightly irritating	OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	
Inhalation (vapours)	Irritating; STOT SE cat.3					Literature study	

#### 2-methoxy-1-methylethyl acetate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Not irritating	Equivalent to OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatment
Skin	Not irritating	Equivalent to OECD 404	4 h	24; 48; 72 hours	Rabbit	Experimental value	

#### ethylbenzene

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Slightly irritating			7 days	Rabbit	Experimental value	
Skin	Moderately irritating		24 h	24 hours	Rabbit	Experimental value	

#### butan-1-ol

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Eye	Serious eye damage	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	
Skin	Irritating	Draize Skin Test		24; 48; 72 hours	Rabbit	Experimental value	
Inhalation	Irritating	Human observation			Human	Experimental value	

### **Conclusion**

Causes skin irritation.

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# NOVACLEAR COAT 1K SG

Causes serious eye irritation.  
Not classified as irritating to the respiratory system

## Respiratory or skin sensitisation

### NOVACLEAR COAT 1K SG

No (test) data on the mixture available  
Judgement is based on the relevant ingredients  
acetone

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Guinea pig maximisation test			Guinea pig (female)	Experimental value	
Skin	Not sensitizing	Human observation			Human	Experimental value	

### reaction mass of ethylbenzene and xylene

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Equivalent to OECD 429			Mouse	Experimental value	

### hydrocarbons, C9, aromatics

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	OECD 406			Guinea pig (female)	Experimental value	

### 2-methoxy-1-methylethyl acetate

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Equivalent to OECD 406			Guinea pig (male / female)	Experimental value	

### ethylbenzene

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin						Data waiving	

### butan-1-ol

Route of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Skin	Not sensitizing	Equivalent to OECD 429			Mouse (female)	Experimental value	

## Conclusion

Not classified as sensitizing for skin  
Not classified as sensitizing for inhalation

## Specific target organ toxicity

### NOVACLEAR COAT 1K SG

No (test) data on the mixture available  
Classification is based on the relevant ingredients  
acetone

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (drinking water)	NOAEL	Equivalent to OECD 408	4.86 mg/kg bw/day - 5.95 mg/kg bw/day		No effect	13 week(s)	Mouse (male / female)	Experimental value
Oral (drinking water)	LOAEL	Equivalent to OECD 408	11.3 mg/kg bw/day	Liver	Histopathology		Mouse (female)	Experimental value
Dermal								Data waiving
Inhalation (vapours)	NOAEC	Subchronic toxicity test	19000 ppm		No effect	8 week(s)	Rat (male)	Experimental value
Inhalation (vapours)	Dose level	Human observation study	361 ppm	Central nervous system	neurotoxic effects	2 day(s)	Human	Epidemiological study

### reaction mass of ethylbenzene and xylene

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	Equivalent to OECD 408	150 mg/kg bw/day			90 day(s)	Rat (female)	Experimental value
Oral (stomach tube)	LOAEL	Equivalent to OECD 408	150 mg/kg bw/day	Liver	Weight gain	90 day(s)	Rat (male)	Experimental value
Inhalation (vapours)	NOAEC	Subchronic toxicity test	3515 mg/m <sup>3</sup>		No effect	13 weeks (6h / day, 5 days / week)	Rat (male)	Experimental value

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# NOVACLEAR COAT 1K SG

## hydrocarbons, C9, aromatics

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	Equivalent to OECD 408	600 mg/kg bw/day		No effect	13 weeks (daily)	Rat (male / female)	Read-across
Dermal								Data waiving
Inhalation (vapours)	NOAEC	Equivalent to OECD 452	1800 mg/m <sup>3</sup> air		No effect	52 weeks (6h / day, 5 days / week)	Rat (male)	Read-across
Inhalation (vapours)	NOAEC	Equivalent to OECD 452	900 mg/m <sup>3</sup> air		No effect	52 weeks (6h / day, 5 days / week)	Rat (female)	Read-across
Inhalation (vapours)			STOT SE cat.3		Drowsiness, dizziness			Literature study

## 2-methoxy-1-methylethyl acetate

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 422	≥ 1000 mg/kg		No effect	41 day(s) - 45 day(s)	Rat (male / female)	Experimental value
Oral (stomach tube)	Dose level	US EPA	500 mg/kg bw/day		Drowsiness, dizziness		Rat (male / female)	Experimental value
Dermal	NOAEL	Equivalent to OECD 411	1838 mg/kg bw/day		No effect	13 weeks (5 days / week)	Rabbit (male)	Read-across
Inhalation (vapours)	NOEL	OECD 453	300 ppm		No effect	104 weeks (6h / day, 5 days / week)	Rat (male / female)	Read-across

## ethylbenzene

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	OECD 408	75 mg/kg bw/day		No effect	13 week(s)	Rat (male / female)	Experimental value
Oral (stomach tube)	LOAEL	OECD 408	250 mg/kg bw/day	Liver	Enlargement/affection of the liver	13 week(s)	Rat (male / female)	Experimental value
	NOAEC		78 mg/kg bw/day	Hearing organs			Rat	
Inhalation	NOAEC	Equivalent to OECD 413	1000 ppm		No effect	13 weeks (6h / day, 5 days / week)	Mouse (male / female)	Experimental value
Inhalation	NOEC		114 ppm	Hearing organs	No effect	90 day(s)	Rat	Experimental value
Inhalation	LOEC		200 ppm	Hearing organs	Impairment/deneration	90 day(s)	Rat	Experimental value

Due to differences in metabolism the relevance for humans if swallowed is questioned

## butan-1-ol

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
Oral (stomach tube)	NOAEL	Subchronic toxicity test	125 mg/kg bw/day		No effect	13 weeks (daily)	Rat (male / female)	Experimental value
Oral (stomach tube)	LOAEL	Subchronic toxicity test	500 mg/kg bw/day	Central nervous system	Central nervous system depression	13 weeks (daily)	Rat (male / female)	Experimental value
Skin	Dose level	Subacute toxicity test	100 %	Skin	Irritation	3 week(s)	Rabbit	Experimental value
Inhalation (vapours)	NOAEL	EPA OTS 798.2450	500 ppm		No effect	13 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value
Inhalation (vapours)	Dose level	EPA OTS 798.2450	1500 ppm	Central nervous system	Drowsiness, dizziness	13 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value

## Conclusion

May cause drowsiness or dizziness.  
Not classified for subchronic toxicity

## Mutagenicity (in vitro)

### NOVACLEAR COAT 1K SG

No (test) data on the mixture available  
Judgement is based on the relevant ingredients

### acetone

Result	Method	Test substrate	Effect	Value determination	Remark
Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	

Reason for revision: 3; 8; 9; 12; 15

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# NOVACLEAR COAT 1K SG

## reaction mass of ethylbenzene and xylene

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	Equivalent to EU Method B.19	Chinese hamster ovary (CHO)		Experimental value	
Negative with metabolic activation, negative without metabolic activation	Equivalent to EU Method B.10	Chinese hamster ovary (CHO)		Experimental value	

## hydrocarbons, C9, aromatics

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 476	Chinese hamster ovary (CHO)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 473	Chinese hamster ovary (CHO)	No effect	Experimental value	
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	

## 2-methoxy-1-methylethyl acetate

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 471	Bacteria (S.typhimurium)	No effect	Experimental value	

## ethylbenzene

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	Equivalent to OECD 473	Chinese hamster ovary (CHO)	No effect	Experimental value	

## butan-1-ol

Result	Method	Test substrate	Effect	Value determination	Remark
Negative with metabolic activation, negative without metabolic activation	OECD 476	Chinese hamster lung fibroblasts (V79)	No effect	Experimental value	

## Mutagenicity (in vivo)

### NOVACLEAR COAT 1K SG

No (test)data on the mixture available

Judgement is based on the relevant ingredients

### acetone

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Oral (drinking water))	Micronucleus test	13 week(s)	Mouse (male / female)		Literature study

## reaction mass of ethylbenzene and xylene

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Subcutaneous)	Equivalent to OECD 478		Mouse (male / female)		Experimental value

## hydrocarbons, C9, aromatics

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Inhalation (vapours))	Equivalent to OECD 475	5 days (6h / day)	Rat (male)	Bone marrow	Experimental value

## ethylbenzene

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Oral (stomach tube))	OECD 474		Mouse (male)		Experimental value

## butan-1-ol

Result	Method	Exposure time	Test substrate	Organ	Value determination
Negative (Oral (stomach tube))	OECD 474		Mouse (male / female)		Experimental value

## Conclusion

Not classified for mutagenic or genotoxic toxicity

## Carcinogenicity

### NOVACLEAR COAT 1K SG

No (test)data on the mixture available

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# NOVACLEAR COAT 1K SG

Judgement is based on the relevant ingredients  
acetone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Dermal	NOEL	Carcinogenic toxicity study	79 mg	51 weeks (3 times / week)	Mouse (female)	No carcinogenic effect		Literature study

reaction mass of ethylbenzene and xylene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Oral (stomach tube)	Dose level	Equivalent to EU Method B.32	500 mg/kg bw/day	103 weeks (3 times / week)	Rat (male / female)	No carcinogenic effect		Experimental value

hydrocarbons, C9, aromatics

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Unknown								Data waiving

2-methoxy-1-methylethyl acetate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation (vapours)	NOEL	OECD 453	3000 ppm	104 weeks (6h / day, 5 days / week)	Rat (male / female)	No carcinogenic effect		Read-across

ethylbenzene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation (vapours)	NOAEC	Equivalent to OECD 453	250 ppm	104 weeks (6h / day, 5 days / week)	Rat (male / female)	No carcinogenic effect		Experimental value

## Conclusion

Not classified for carcinogenicity

## Reproductive toxicity

NOVACLEAR COAT 1K SG

No (test) data on the mixture available

Judgement is based on the relevant ingredients  
acetone

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Inhalation (aerosol))	NOAEC	Equivalent to OECD 414	2200 ppm	14 days (gestation, daily)	Rat	No effect	Foetus	Experimental value
	LOAEC	Equivalent to OECD 414	11000 mg/kg bw/day	14 days (gestation, daily)	Rat	Fetotoxicity	Foetus	Experimental value
Maternal toxicity (Inhalation (aerosol))	NOAEC	Equivalent to OECD 414	2200 ppm	14 days (gestation, daily)	Rat	No effect		Experimental value
	LOAEC	Equivalent to OECD 414	11000 ppm	14 days (gestation, daily)	Rat	Maternal toxicity		Experimental value
Effects on fertility (Oral (drinking water))	NOAEL		900 mg/kg bw/day	13 week(s)	Rat (male)	No effect		Literature study

reaction mass of ethylbenzene and xylene

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Inhalation (vapours))	BMCL10	Equivalent to OECD 414	4698 mg/m <sup>3</sup> air	15 days (6h / day)	Rat	Degeneration of heart tissue		Experimental value
Maternal toxicity (Inhalation (vapours))	BMCL10	Equivalent to OECD 414	887 ppm	15 days (6h / day)	Rat	No effect		Experimental value
Effects on fertility (Inhalation (vapours))	NOAEC		500 ppm		Rat (male / female)	Degeneration of heart tissue		Experimental value

hydrocarbons, C9, aromatics

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Inhalation (vapours))	NOAEC	Developmental toxicity study	100 ppm	10 days (6h / day)	Mouse	No effect		Experimental value
	LOAEC	Developmental toxicity study	500 ppm	10 days (6h / day)	Mouse	Reduced foetal bodyweights	Foetus	Experimental value
Maternal toxicity (Inhalation (vapours))	NOAEC	Developmental toxicity study	100 ppm	10 day(s)	Mouse	No effect		Experimental value
	LOAEC	Developmental toxicity study	500 ppm	10 day(s)	Mouse	Body weight reduction	General	Experimental value
Effects on fertility (Inhalation (vapours))	NOAEC	3 generation study	7500 mg/m <sup>3</sup>		Rat (male / female)	No effect		Experimental value

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BIG number: 51283

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# NOVACLEAR COAT 1K SG

## 2-methoxy-1-methylethyl acetate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Inhalation)	NOAEL	Equivalent to OECD 414	> 4000 ppm	10 days (gestation, daily)	Rat	No effect	Foetus	Experimental value
Developmental toxicity (Inhalation (vapours))								
Maternal toxicity (Inhalation (vapours))	NOAEL	Equivalent to OECD 414	1500 ppm	10 days (gestation, daily)	Rat	No effect		Experimental value
Effects on fertility (Inhalation (vapours))	NOAEL	OECD 416	300 ppm		Rat (male / female)	No effect		Read-across

## ethylbenzene

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Inhalation)	NOAEC	OECD 414	500 ppm	15 days (gestation, daily)	Rat	No effect	Foetus	Experimental value
Maternal toxicity (Inhalation)	NOAEC	OECD 414	500 ppm	15 days (gestation, daily)	Rat	No effect		Experimental value
Effects on fertility (Inhalation)	NOAEC	OECD 416	500 ppm	70 days (6h / day)	Rat (male / female)	No effect		Experimental value

## butan-1-ol

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Developmental toxicity (Oral (drinking water))	NOAEL	Equivalent to OECD 414	1454 mg/kg bw/day	21 day(s)	Rat	No effect	Foetus	Experimental value
Maternal toxicity (Oral (drinking water))	NOAEL	Equivalent to OECD 414	1454 mg/kg bw/day	21 day(s)	Rat	No effect		Experimental value
Effects on fertility (Inhalation (vapours))	NOAEC	OECD 416	2000 ppm		Rat (male / female)	No effect		Experimental value

## Conclusion

Not classified for reprotoxic or developmental toxicity

## Toxicity other effects

### NOVACLEAR COAT 1K SG

#### acetone

Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
			Skin	Skin dryness or cracking			Literature study Skin

#### hydrocarbons, C9, aromatics

Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
			Skin	Skin dryness or cracking			Literature study

## Chronic effects from short and long-term exposure

### NOVACLEAR COAT 1K SG

No effects known.

## 11.2. Information on other hazards

No evidence of endocrine disrupting properties

## SECTION 12: Ecological information

### 12.1. Toxicity

#### NOVACLEAR COAT 1K SG

No (test) data on the mixture available

Classification is based on the relevant ingredients



# NOVACLEAR COAT 1K SG

## acetone

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	Equivalent to OECD 203	6210 mg/l - 8120 mg/l	96 h	Pimephales promelas	Flow-through system	Fresh water	Experimental value; Measured concentration
Acute toxicity crustacea	LC50		8800 mg/l	48 h	Daphnia pulex	Static system	Fresh water	Experimental value; Nominal concentration
Toxicity algae and other aquatic plants	NOEC		530 mg/l		Algae		Fresh water	
Long-term toxicity aquatic crustacea	NOEC	Equivalent to OECD 211	2212 mg/l	28 day(s)	Daphnia magna	Flow-through system	Fresh water	Experimental value

## hydrocarbons, C9, aromatics

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LL50	OECD 203	10 mg/l	96 h	Oncorhynchus mykiss	Semi-static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EL50	OECD 202	3.2 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	EL50	OECD 201	2.9 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
	NOEC	OECD 201	0.07 mg/l	72 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOELR		1.228 mg/l	28 day(s)	Oncorhynchus mykiss		Fresh water	QSAR
Long-term toxicity aquatic crustacea	NOELR		2.144 mg/l	21 day(s)	Daphnia magna		Fresh water	QSAR

## 2-methoxy-1-methylethyl acetate

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	100 mg/l - 180 mg/l	96 h	Oncorhynchus mykiss	Static system	Fresh water	Experimental value; Nominal concentration
Acute toxicity crustacea	EC50	EU Method C.2	> 500 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; Locomotor effect
Toxicity algae and other aquatic plants	ErC50	OECD 201	> 1000 mg/l	96 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Nominal concentration
	NOEC	OECD 201	≥ 1000 mg/l	96 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	OECD 204	47.5 mg/l	14 day(s)	Oryzias latipes	Flow-through system	Fresh water	Experimental value; Behaviour
Long-term toxicity aquatic crustacea	NOEC	OECD 211	≥ 100 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC10	Equivalent to OECD 209	> 1000 mg/l	30 minutes	Activated sludge	Static system	Fresh water	Experimental value; Respiration

## ethylbenzene

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	4.2 mg/l	96 h	Salmo gairdneri	Semi-static system	Fresh water	Experimental value
Acute toxicity crustacea	EC50	US EPA	1.8 mg/l - 2.4 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value
Toxicity algae and other aquatic plants	EC50	US EPA	5.4 mg/l	96 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; Cell numbers
Long-term toxicity aquatic crustacea	NOEC	US EPA	1 mg/l	7 day(s)	Ceriodaphnia dubia	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC50		96 mg/l	24 h	Nitrosomonas			Experimental value

Reason for revision: 3; 8; 9; 12; 15

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## butan-1-ol

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	1376 mg/l	96 h	Pimephales promelas	Static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	1328 mg/l	48 h	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	225 mg/l	96 h	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
Long-term toxicity aquatic crustacea	NOEC	OECD 211	4.1 mg/l	21 day(s)	Daphnia magna	Semi-static system	Fresh water	Experimental value; Reproduction
Toxicity aquatic micro-organisms	EC50	DIN 38412-8	4390 mg/l	17 h	Pseudomonas putida	Static system	Fresh water	Experimental value; Growth

## Conclusion

Harmful to aquatic life with long lasting effects.

## 12.2. Persistence and degradability

### acetone

#### Biodegradation water

Method	Value	Duration	Value determination
OECD 301B	90.9 %	28 day(s)	Experimental value

### reaction mass of ethylbenzene and xylene

#### Biodegradation water

Method	Value	Duration	Value determination
OECD 301F	98 %; GLP	28 day(s)	Experimental value

### hydrocarbons, C9, aromatics

#### Biodegradation water

Method	Value	Duration	Value determination
OECD 301F	78 %	28 day(s)	Experimental value

### 2-methoxy-1-methylethyl acetate

#### Biodegradation water

Method	Value	Duration	Value determination
OECD 301F	83 %; Oxygen consumption	28 day(s)	Experimental value

#### Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	10.818 h	1.5E6 /cm <sup>3</sup>	Calculated value

#### Biodegradation soil

Method	Value	Duration	Value determination
Equivalent to OECD 304A	> 57 %; GLP	1 day(s)	Experimental value

### ethylbenzene

#### Biodegradation water

Method	Value	Duration	Value determination
ISO 14593	70 % - 80 %; GLP	28 day(s)	Experimental value

## butan-1-ol

#### Biodegradation water

Method	Value	Duration	Value determination
APHA	92 %; Oxygen consumption	20 day(s)	Experimental value

#### Phototransformation air (DT50 air)

Method	Value	Conc. OH-radicals	Value determination
AOPWIN v1.92	18.629 h	1.5E6 /cm <sup>3</sup>	Calculated value

## Conclusion

### Water

Contains non readily biodegradable component(s)

## 12.3. Bioaccumulative potential

### NOVACLEAR COAT 1K SG

#### Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

### acetone

#### Log Kow

Method	Remark	Value	Temperature	Value determination
		-0.23		Test data

# NOVACLEAR COAT 1K SG

reaction mass of ethylbenzene and xylene

**BCF fishes**

Parameter	Method	Value	Duration	Species	Value determination
BCF		5.5 - 25.9	56 day(s)	Oncorhynchus mykiss	Read-across

**Log Kow**

Method	Remark	Value	Temperature	Value determination
OECD 117		3.49	30 °C	Experimental value

hydrocarbons, C9, aromatics

**BCF fishes**

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFBAF v3.01	39.8 l/kg - 177.8 l/kg; Fresh weight		Pisces	QSAR

**Log Kow**

Method	Remark	Value	Temperature	Value determination
KOWWIN		2.92 - 3.59	20 °C	QSAR

2-methoxy-1-methylethyl acetate

**Log Kow**

Method	Remark	Value	Temperature	Value determination
Equivalent to OECD 117		1.2	20 °C	Experimental value

ethylbenzene

**BCF fishes**

Parameter	Method	Value	Duration	Species	Value determination
BCF		1	6 week(s)	Oncorhynchus kisutch	Literature study

**Log Kow**

Method	Remark	Value	Temperature	Value determination
EU Method A.8		3.6	20 °C	Experimental value

butan-1-ol

**BCF other aquatic organisms**

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFBAF v3.01	3.162 l/kg; Fresh weight			Calculated value

**Log Kow**

Method	Remark	Value	Temperature	Value determination
OECD 117		1	25 °C	Experimental value

**Conclusion**

Does not contain bioaccumulative component(s)

## 12.4. Mobility in soil

acetone

**(log) Koc**

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0.374 - 0.988	Calculated value

reaction mass of ethylbenzene and xylene

**(log) Koc**

Parameter	Method	Value	Value determination
log Koc	Equivalent to OECD 121	2.73	Read-across

hydrocarbons, C9, aromatics

**(log) Koc**

Parameter	Method	Value	Value determination
log Koc		2.68	QSAR

2-methoxy-1-methylethyl acetate

**(log) Koc**

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0.602 - 1.079	Calculated value

**Percent distribution**

Method	Fraction air	Fraction biota	Fraction sediment	Fraction soil	Fraction water	Value determination
Mackay level III	10.22 %	0 %	0.02 %	0.03 %	89.73 %	Calculated value

ethylbenzene

**(log) Koc**

Parameter	Method	Value	Value determination
log Koc	PCKOCWIN v1.66	2.71	QSAR

butan-1-ol

**(log) Koc**

Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	0.54	Calculated value

**Conclusion**

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Contains component(s) with potential for mobility in the soil

## 12.5. Results of PBT and vPvB assessment

Does not contain component(s) that meet(s) the criteria of PBT and/or vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006.

## 12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties

## 12.7. Other adverse effects

### NOVACLEAR COAT 1K SG

#### **Greenhouse gases**

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

#### **Ozone-depleting potential (ODP)**

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

#### **Groundwater**

Groundwater pollutant

acetone

#### **Groundwater**

Groundwater pollutant

hydrocarbons, C9, aromatics

#### **Groundwater**

Groundwater pollutant

2-methoxy-1-methylethyl acetate

#### **Groundwater**

Groundwater pollutant

ethylbenzene

#### **Groundwater**

Groundwater pollutant

butan-1-ol

#### **Groundwater**

Groundwater pollutant

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1. Waste treatment methods

#### 13.1.1 Provisions relating to waste

##### European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 01 11\* (wastes from MFSU and removal of paint and varnish: waste paint and varnish containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

#### 13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste.

Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Should not be landfilled with household waste. Specific treatment. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

#### 13.1.3 Packaging/Container

##### European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10\* (packaging containing residues of or contaminated by dangerous substances).

15 01 04 (metallic packaging).

## SECTION 14: Transport information

### Road (ADR)

#### 14.1. UN number

UN number	1950
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#### 14.2. UN proper shipping name

Proper shipping name	aerosols
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#### 14.3. Transport hazard class(es)

Hazard identification number	
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Class	2
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Classification code	5F
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#### 14.4. Packing group

Packing group	
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Labels	2.1
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14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

## Rail (RID)

14.1. UN number	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Hazard identification number	23
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

## Inland waterways (ADN)

14.1. UN number	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Class	2
Classification code	5F
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	327
Special provisions	344
Special provisions	625
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

## Sea (IMDG/IMSBC)

14.1. UN number	
UN number	1950
14.2. UN proper shipping name	
Proper shipping name	aerosols
14.3. Transport hazard class(es)	
Class	2.1
14.4. Packing group	
Packing group	
Labels	2.1
14.5. Environmental hazards	
Marine pollutant	-
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	190
Special provisions	277
Special provisions	327
Special provisions	344

# NOVACLEAR COAT 1K SG

Special provisions	381
Special provisions	63
Special provisions	959
Limited quantities	Combination packagings: not more than 1 liter per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

#### 14.7. Maritime transport in bulk according to IMO instruments

Annex II of MARPOL 73/78	Not applicable
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### Air (ICAO-TI/IATA-DGR)

#### 14.1. UN number

UN number	1950
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#### 14.2. UN proper shipping name

Proper shipping name	aerosols, flammable
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#### 14.3. Transport hazard class(es)

Class	2.1
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#### 14.4. Packing group

Packing group	
Labels	2.1

#### 14.5. Environmental hazards

Environmentally hazardous substance mark	no
------------------------------------------	----

#### 14.6. Special precautions for user

Special provisions	A145
Special provisions	A167
Special provisions	A802

#### Passenger and cargo transport

Limited quantities: maximum net quantity per packaging	30 kg G
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## SECTION 15: Regulatory information

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

#### European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
84.48 %	
669.1 g/l	

Indicative occupational exposure limit values (Directive 98/24/EC, 2000/39/EC and 2009/161/EU)

#### 2-methoxy-1-methylethyl acetate

Product name	Skin resorption
2-Methoxy-1-methylethylacetate	Skin

#### ethylbenzene

Product name	Skin resorption
Ethylbenzene	Skin

#### REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
<ul style="list-style-type: none"> <li>· acetone</li> <li>· reaction mass of ethylbenzene and xylene</li> <li>· hydrocarbons, C9, aromatics</li> <li>· 2-methoxy-1-methylethyl acetate</li> <li>· ethylbenzene</li> <li>· butan-1-ol</li> </ul>	Liquid 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: (a) 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; (b) 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; (c) hazard class 4.1; (d) hazard class 5.1.	1. Shall not be used in: — ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, — tricks and jokes, — games for one or more participants, or any article intended to be used as such, even with ornamental aspects, 2. Articles not complying with paragraph 1 shall not be placed on the market. 3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they: — can be used as fuel in decorative oil lamps for supply to the general public, and, — present an aspiration hazard and are labelled with H304, 4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN). 5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met: a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";

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		<p>b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";</p> <p>c) lamp oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.</p>
<ul style="list-style-type: none"> <li>· acetone</li> <li>· reaction mass of ethylbenzene and xylene</li> <li>· hydrocarbons, C9, aromatics</li> <li>· 2-methoxy-1-methylethyl acetate</li> <li>· ethylbenzene</li> <li>· butan-1-ol</li> </ul>	<p>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 that Regulation or not.</p>	<p>1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:</p> <ul style="list-style-type: none"> <li>— metallic glitter intended mainly for decoration,</li> <li>— artificial snow and frost,</li> <li>— "whoopie" cushions,</li> <li>— silly string aerosols,</li> <li>— imitation excrement,</li> <li>— horns for parties,</li> <li>— decorative flakes and foams,</li> <li>— artificial cobwebs,</li> <li>— stink bombs.</li> </ul> <p>2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:</p> <p>"For professional users only".</p> <p>3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC.</p> <p>4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.</p>

**National legislation Belgium**  
NOVACLEAR COAT 1K SG

No data available

2-methoxy-1-methylethyl acetate

Résorption peau	Acétate de 2-(1-méthoxy)propyle; D; La mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air.
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ethylbenzene

Résorption peau	Ethylbenzène; D; La mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air.
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butan-1-ol

Résorption peau	Alcool n-butylique; D; La mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air.
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**National legislation The Netherlands**  
NOVACLEAR COAT 1K SG

Waterbezwaarlijkheid	Z (2); Algemene Beoordelingsmethodiek (ABM)
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ethylbenzene

Huidopname (wettelijk)	Ethylbenzeen; H
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**National legislation France**  
NOVACLEAR COAT 1K SG

No data available

2-methoxy-1-methylethyl acetate

Risque de pénétration percutanée	Acétate de 2-méthoxy-1-méthyléthyle; Risquedepénétrationpercutanée
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ethylbenzene

Risque de pénétration percutanée	Ethylbenzène; Risquedepénétrationpercutanée
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**National legislation Germany**  
NOVACLEAR COAT 1K SG

WGK	2; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017
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acetone

TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	Aceton; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

reaction mass of ethylbenzene and xylene

TA-Luft	5.2.5/I
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hydrocarbons, C9, aromatics

TA-Luft	5.2.5/I
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2-methoxy-1-methylethyl acetate

TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	2-Methoxy-1-methylethylacetat; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

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## ethylbenzene

TA-Luft	5.2.5/1
TRGS900 - Risiko der Fruchtschädigung	Ethylbenzol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden
Hautresorptive Stoffe	Ethylbenzol; H; Hautresorptiv

## butan-1-ol

TA-Luft	5.2.5
TRGS900 - Risiko der Fruchtschädigung	Butan-1-ol; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes nicht befürchtet zu werden

### National legislation United Kingdom

#### NOVACLEAR COAT 1K SG

No data available

#### 2-methoxy-1-methylethyl acetate

Skin absorption	1-Methoxypropyl acetate; Sk
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#### ethylbenzene

Skin absorption	Ethylbenzene; Sk
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#### butan-1-ol

Skin absorption	Butan-1-ol; Sk
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### Other relevant data

#### NOVACLEAR COAT 1K SG

No data available

#### acetone

TLV - Carcinogen	Acetone; A4
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#### ethylbenzene

IARC - classification	2B; Ethylbenzene
TLV - Carcinogen	Ethyl benzene; A3

## 15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

## SECTION 16: Other information

### Full text of any H- and EUH-statements referred to under section 3:

- 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 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs (ears (hearing damage)) through prolonged or repeated exposure if inhaled.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
ATE	Acute Toxicity Estimate
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %
ErC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

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