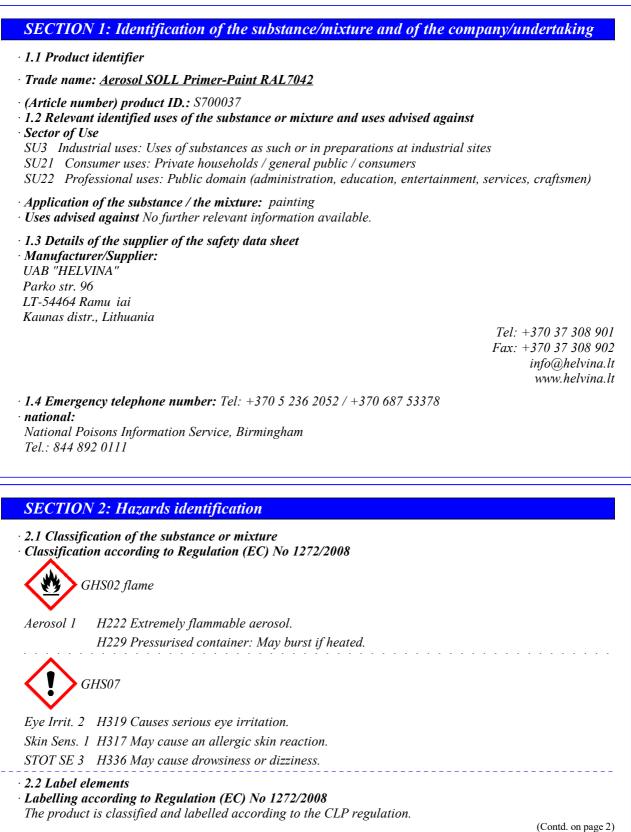
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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

 \cdot **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 67-64-1		25-<50%
EINECS: 200-662-2	🕐 Flam. Liq. 2, H225; 🕔 Eye Irrit. 2, H319; STOT SE 3,	
Reg.nr.: 01-2119471330-49-xxxx		

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CAS, 74.09.6		ntd. of page $10 < 25$
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	propane 🚸 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	10-<25
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane (containing $\leq 0,1$ % butadiene (203-450-8)) Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	5-<10
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	5-<10
CAS: 9004-70-0 Reg.nr.: no Reach No. availlable	nitrocellulose with water(not less than 25% water, by mass)	5-<10
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane (containing $\leq 0,1$ % butadiene (203-450-8)) Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	5-<10
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-xxxx	ethanol 🚸 Flam. Liq. 2, H225; 🚯 Eye Irrit. 2, H319	2.5-<5
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	2.5-<5
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	xylene, mixture of isomers Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-<2.5
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43-xxxx	butanone	1-<2.5
CAS: 7397-62-8 EINECS: 230-991-7 Reg.nr.: 01-2119514685-36-xxxx	butyl glycollate 🗞 Repr. 2, H361; 🕎 Eye Dam. 1, H318	<1%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35-xxxx	ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332	<1%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38-xxxx	butan-1-ol ♦ Flam. Liq. 3, H226; ♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335; STOT SE 3, H336	<1%
CAS: 108-31-6 EINECS: 203-571-6 Reg.nr.: 01-2119472428-31-xxxx	maleic anhydride O Resp. Sens. 1, H334; STOT RE 1, H372; O Skin Corr. 1B, H314; Eye Dam. 1, H318; \textcircled{O} Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: $C \ge 0.001$ %	<0.19

SECTION 4: First aid measures

• 4.1 Description of first aid measures

• General information: Immediately remove any clothing soiled by the product.

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• After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

 \cdot After skin contact: Immediately wash with water and soap and rinse thoroughly.

• After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media -

· Suitable extinguishing agents: Cool container whit water

• 5.2 Special hazards arising from the substance or mixture No further relevant information available.

• 5.3 Advice for firefighters

· Protective equipment: No special measures required.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

• 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

• 6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

· 7.2 Conditions for safe storage, including any incompatibilities

Storage:

• Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

· Information about storage in one common storage facility: Not required.

• Further information about storage conditions: None.

• 7.3 Specific end use(s) No further relevant information available.

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	ontrol parameters
0	dients with limit values that require monitoring at the workplace:
	1-1 acetone
	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
106-9	$07-8$ butane (containing $\leq 0,1$ % butadiene (203-450-8))
WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
108-0	5-6 2-methoxy-1-methylethyl acetate
WEL	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
64-1 7	7-5 ethanol
WEL	Long-term value: 1920 mg/m ³ , 1000 ppm
123-8	86-4 n-butyl acetate
WEL	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
1330	-20-7 xylene, mixture of isomers
WEL	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV
7 8-9 3	3-3 butanone
WEL	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV
100-4	11-4 ethylbenzene
WEL	Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm Sk
71-36	5-3 butan-1-ol
WEL	Short-term value: 154 mg/m ³ , 50 ppm Sk
108-3	1-6 maleic anhydride
WEL	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ Sen
Regu	latory information WEL: EH40/2020
Ingre	dients with biological limit values:
1330	-20-7 xylene, mixture of isomers
BMG	V 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

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78-93-3 butanone

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BMGV 70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

· Regulatory information BMGV: EH40/2011

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.
- Respiratory protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

· Hand protection

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Penetration time of glove material

Gloves must be changed after every contamination.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
- butyl rubber, 0,7mm • **Eye/face protection**
- Safety glasses



Tightly sealed goggles

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- · Physical state
- · Colour:
- · Odour:
- Odour threshold:

Aerosol According to product specification Characteristic Not determined.

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Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling	
range	-44 °C
Flammability	Not applicable.
Lower and upper explosion limit	11
Lower:	1.7 Vol %
Upper:	13 Vol %
Flash point:	<0 °C
Auto-ignition temperature:	315 °C (108-65-6 2-methoxy-1-methylethyl acetate)
Decomposition temperature:	Not determined.
pH	Mixture is non-polar/aprotic.
Viscosity:	mature is non poturruprotie.
Kinematic viscosity	Not determined.
	Not determined.
Dynamic:	Noi delermined.
Solubility	$\mathbf{N}_{\mathbf{r}}$
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	3,600 hPa
Vapour pressure at 50 °C:	800 hPa
Density and/or relative density	
Relative density	0.827 g/cm^3
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Aerosol
Important information on protection of health a environment, and on safety. Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible.
	Not determined.
Solvent content:	not determined.
Organic solvents:	86.3 %
Organic solvenis.	With propellant gas. Content given by weight.
Water:	0.1 %
	(<840g/l)
VOC (EU)	(<840g/l) 86.33 %
G 1 1 4 4	
Solids content:	13.6 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard class	Ses
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container
	May burst if heated.
	• •
Oxidising gases	Void
00	Void Void
Gases under pressure	Void
Gases under pressure Flammable liquids	Void Void
Gases under pressure Flammable liquids Flammable solids	Void Void Void
Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures	Void Void Void Void
Oxidising gases Gases under pressure Flammable liquids Flammable solids Self-reactive substances and mixtures Pyrophoric liquids Pyrophoric solids	Void Void Void

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Self-heating substances and mixtures	Void	
Substances and mixtures, which emit flamm	nable	
gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

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

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Dermal LD50 84,620 mg/kg (rabbit)

Inhalative LC50/4 h 465 mg/l (rat)

• Primary irritant effect:

- · Serious eye damage/irritation Causes serious eye irritation.
- *Respiratory or skin sensitisation* May cause an allergic skin reaction.
- · STOT-single exposure May cause drowsiness or dizziness.
- 11.2 Information on other hazards
- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment

• *PBT*: Not applicable.

· vPvB: Ikke relevant.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

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• 12.7 Other adverse effects

Additional ecological information:

· General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

SECTION 13: Disposal considerations

• 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

14.1 UN number or ID number	
ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name	
ADR	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR	
2	
Class	2 5F Gases.
Label	2.1 2.1
IMDG, IATA	
Class	2.1 Gases.
Label	2.1
14.4 Packing group	
ADR, IMDĞ, IATA	Void
	not classified
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Hazard identification number (Kemler code):	-
	not classified
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity of
	litre: Category A. For AEROSOLS with a capace above L litro: Category P. For WASTE AEROSOL
	above 1 litre: Category B. For WASTE AEROSOL Category C, Clear of living quarters.

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Segregation Code	SG69 For AEROSOLS with a maximum capacity of litre:
	Segregation as for class 9. Stow "separated from" clas 1 except for division 1.4.
	<i>For AEROSOLS with a capacity above 1 litre:</i>
	Segregation as for the appropriate subdivision of clas 2. For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class 2.
14.7 Maritime transport in bulk accordin	ng to IMO
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (\widetilde{EQ})	Code: E0
	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (\widetilde{EQ})	Code: E0
	Not permitted as Excepted Quantity

SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture VOC 2004//42/EG: <840g/l

· Regulated explosives precursors

None of the ingredients is listed.

• *Regulated poisons* None of the ingredients is listed.

· Reportable explosives precursors

67-64-1 acetone

· Reportable poisons

50-00-0 formaldehyde

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P3a FLAMMABLE AEROSOLS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

• Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

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Listed

5%

[·] Poisons Act

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· National regulations:

• Technical instructions (air):

Class Share in % NK 50-100

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The safety data sheet may only be passed on to third parties for the manufacturer's brands.

· Relevant phrases

- H201 Explosive; mass explosion hazard.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- 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.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- EUH018 In use may form flammable/explosive vapour-air mixture.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- *EUH071 Corrosive to the respiratory tract.*

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Expl. 1.1: Explosives - Division 1.1

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

: Aerosols – Category 3

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

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Flam. Liq. 3: Flammable liquids – Category 3 Acute Tox. 4: Acute toxicity – Category 4 Skin Corr. 1B: Skin corrosion/irritation – Category 1B Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Resp. Sens. 1: Respiratory sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Skin Sens. 1A: Skin sensitisation – Category 1A Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 • * Data compared to the previous version altered.