

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 30/06/2020 Revision date: 12/02/2021 Version: 9.1

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

### **1.1. Product identifier**

Product form Trade name UFI	:	Mixture LAYOUT INK Spray (Blue) S280-F0JS-S00V-KFS8
Vaporizer	:	Aerosol

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

#### 1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec	<ul> <li>Industrial use,Professional use</li> <li>For professional use only Industrial</li> </ul>
Use of the substance/mixture	: Colouring agents
1.2.2. Uses advised against	
Restrictions on use	: Acetone is listed as a reportable explosives precursor in Annex II of EU regulation 2019/1148

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

#### Manufacturer

ROCOL a division of ITW Ltd Rocol House Wakefield Rd, Swillington LS26 8BS Leeds - United Kingdom T +44 (0)113 232 2600 customer.service@rocol.com - www.rocol.com

# 1.4. Emergency telephone number

Emergency number

: +44 (0)113 232 2600

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

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

Aerosol, Category 1H222;H229Serious eye damage/eye irritation, Category 2H319Specific target organ toxicity — Single exposure, Category 3, NarcosisH336Full text of H statements : see section 16H336

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

No additional information available

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#### 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS02 GHS07 Signal word (CLP) : Danger : ACETONE Contains Hazard statements (CLP) : H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. Precautionary statements (CLP) : P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. 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. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. **EUH-statements** EUH066 - Repeated exposure may cause skin dryness or cracking. 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ACETONE substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	30 – 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3-BUTADIENE) substance with national workplace exposure limit(s) (GB) (Note K)(Note S)(Note U)	(CAS-No.) 68476-85-7 (EC-No.) 270-704-2 (EC Index-No.) 649-202-00-6 (REACH-no) Exempt	30 – 50	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Liq. Not classified Muta. Not classified Carc. Not classified
PROPAN-2-OL substance with national workplace exposure limit(s) (GB)	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	15 – 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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Note K : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w 1,3butadiene (EINECS No 203-450-8). If the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 (Table 3.1) or the S-phrases (2-)9-16 (Table 3.2) should apply. This note applies only to certain complex oil-derived substances in Part 3.

Note S : This substance may not require a label according to Article 17 (see section 1.3 of Annex I) (Table 3.1). This substance may not require a label according to Article 23 of Directive 67/548/EEC (see section 8 of Annex VI to that Directive) (Table 3.2).

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case. Full text of H-statements: see section 16

#### **SECTION 4: First aid measures** 4.1. Description of first aid measures First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. 4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects after inhalation : May cause drowsiness or dizziness. Symptoms/effects after eye contact : Causes serious eye irritation.

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

No additional information available

SECTION 5: Firefighting measu	res
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Foam. Dry powder. Carbon dioxide. Water spray. Sand.</li><li>Do not use a heavy water stream.</li></ul>
5.2. Special hazards arising from the	e substance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective	equipment and emergency procedures		
6.1.1. For non-emergency personnel Emergency procedures	: Evacuate unnecessary personnel.		
6.1.2. For emergency responders			
Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.		
Emergency procedures	: Ventilate area.		

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# 6.2. Environmental precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up

: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage				
7.1. Precautions for safe handling				
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.			
Hygiene measures	: Wash hands, forearms and face thoroughly after handling.			
7.2. Conditions for safe storage, including	any incompatibilities			
Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed.			
Incompatible products	: Strong bases. Strong acids.			
Incompatible materials	: Sources of ignition. Direct sunlight.			
7.3. Specific end use(s)				

No additional information available

### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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

ACETONE (67-64-1)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Acetone	
IOEL TWA	1210 mg/m <sup>3</sup>	
IOEL TWA [ppm]	500 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom - Occupational Exposure Limits		
Local name	Acetone	
WEL TWA (OEL TWA) [1]	1210 mg/m <sup>3</sup>	
WEL TWA (OEL TWA) [2]	500 ppm	
WEL STEL (OEL STEL)	3620 mg/m <sup>3</sup>	
WEL STEL (OEL STEL) [ppm]	1500 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

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PROPAN-2-OL (67-63-0)		
United Kingdom - Occupational Exposure Limits		
Local name	Propan-2-ol	
WEL TWA (OEL TWA) [1]	999 mg/m³	
WEL TWA (OEL TWA) [2]	400 ppm	
WEL STEL (OEL STEL)	1250 mg/m <sup>3</sup>	
WEL STEL (OEL STEL) [ppm]	500 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

#### HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3-BUTADIENE) (68476-85-7) **United Kingdom - Occupational Exposure Limits** Local name Liquefied petroleum gas WEL TWA (OEL TWA) [1] 1750 mg/m<sup>3</sup> WEL TWA (OEL TWA) [2] 1000 ppm WEL STEL (OEL STEL) 2180 mg/m<sup>3</sup> WEL STEL (OEL STEL) [ppm] 1250 ppm Remark (WEL) Carc (Capable of causing cancer and/or heritable genetic damage (only applies if LPG contains more than 0.1% of buta-1,3-diene)) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### 8.2.2.1. Eye and face protection

Eye protection:	
Chemical goggles or safety glasses	

#### 8.2.2.2. Skin protection

Hand protection:

Wear protective gloves. Nitrile rubber gloves

#### 8.2.2.3. Respiratory protection

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#### **Respiratory protection:**

In case of inadequate ventilation wear respiratory protection. Wear a respirator conforming to EN140 with Type A filter or better

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

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

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

Physical state	: Liquid
Colour	: Blue.
Odour	: Characteristic odour.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: <0°C
Flash point	: <-100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: <1
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2 Other information	

## 9.2. Other information

VOC content

: 675 g/l

SECTION 10: Stability and reactivity		
10.1. Reactivity		
Extremely flammable aerosol.		
10.2. Chemical stability		
Not established.		
10.3. Possibility of hazardous reactions		
Not established.		
10.4. Conditions to avoid		
Direct sunlight. Extremely high or low temperatures.		
10.5. Incompatible materials		
Strong acids. Strong bases.		
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## **10.6. Hazardous decomposition products**

fume. Carbon monoxide. Carbon dioxide.

11.1 Information on toxicological eff	ects
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified : Not classified
ACETONE (67-64-1)	
LD50 oral rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female
LD50 dermal rat	15800 mg/kg
LC50 Inhalation - Rat	76 mg/l/4h
PROPAN-2-OL (67-63-0)	
LD50 oral rat	5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity
LD50 oral	3600 mg/kg
HYDROCARBON AEROSOL PROPE	ELLANT (<0.1% 1,3-BUTADIENE) (68476-85-7)
LC50 Inhalation - Rat	> 20 mg/l/4h
Skin corrosion/irritation Additional information Serious eye damage/irritation Respiratory or skin sensitisation Additional information Germ cell mutagenicity Additional information Carcinogenicity Additional information	<ul> <li>Not classified</li> <li>Repeated exposure may cause skin dryness or cracking.</li> <li>Causes serious eye irritation.</li> <li>Not classified</li> <li>Based on available data, the classification criteria are not met</li> <li>Not classified</li> <li>Based on available data, the classification criteria are not met</li> <li>Not classified</li> <li>Based on available data, the classification criteria are not met</li> <li>Not classified</li> <li>Based on available data, the classification criteria are not met</li> <li>Based on available data, the classification criteria are not met</li> </ul>
Reproductive toxicity Additional information	: Not classified : Based on available data, the classification criteria are not met
ACETONE (67-64-1)	
LOAEL (animal/female, F0/P)	11298 mg/kg bodyweight Animal: mouse, Animal sex: female
NOAEL (animal/male, F0/P)	900 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information)
STOT-single exposure	: May cause drowsiness or dizziness.
ACETONE (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

PROPAN-2-OL (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
	Not classified Based on available data, the classification criteria are not met

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Aspiration hazard : Additional information :	Not classified Based on available data, the classification criteria are not met
LAYOUT INK Spray (Blue)	
Vaporizer	Aerosol
Potential adverse human health effects and : symptoms	Based on available data, the classification criteria are not met

SECTION 12: Ecological information	
12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified
ACETONE (67-64-1)	
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
PROPAN-2-OI (67-63-0)	

PROPAR-2-0E (07-03-0)		
LC50 - Fish [1]	10000 mg/l Test organisms (species): Pimephales promelas	
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas	

12.2. Persistence and degradability		
LAYOUT INK Spray (Blue)		
Persistence and degradability	Not established.	
12.3. Bioaccumulative potential		
LAYOUT INK Spray (Blue)		
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		
No additional information available		

# 12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information

: Avoid release to the environment.

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Ecology - waste materials	: Avoid release to the environment.

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n accordance with ADR / IME				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
I4.2. UN proper shippin	g name			
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Fransport document descr	iption			
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	UN 1950 AEROSOLS, 2.
14.3. Transport hazard o	lass(es)			·
2.1	2.1	2.1	2.1	2.1
14.4. Packing group	l l			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary informatio	n available		1	1
NO SUPPLEMENTARY INFORMATIO				

: 5	5F
: 1	190, 327, 344, 625
: 1	11
: E	EO
: F	P207, LP200
: F	PP87, RR6, L2
: N	MP9
: 2	2
: \	V14
: 0	CV9, CV12
: 5	S2
: [	D
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	D 63, 190, 277, 327, 344, 381, 959
: 6	-
: 6 : F	- 63, 190, 277, 327, 344, 381, 959
: 6 : F : F	- 63, 190, 277, 327, 344, 381, 959 P207, LP200
: 6 : F : F : F	- 63, 190, 277, 327, 344, 381, 959 P207, LP200 PP87, L2
: 6 : F : F : F : S	- 63, 190, 277, 327, 344, 381, 959 P207, LP200 PP87, L2 F-D
: 6 : F : F : S : N	- 63, 190, 277, 327, 344, 381, 959 P207, LP200 PP87, L2 F-D S-U
: 6 : F : F : S : N : S	- 63, 190, 277, 327, 344, 381, 959 P207, LP200 PP87, L2 F-D S-U None
: 6 : F : F : S : N : S	- 63, 190, 277, 327, 344, 381, 959 P207, LP200 PP87, L2 F-D S-U None SW1, SW22
: 6 : F : F : S : N : S	- 63, 190, 277, 327, 344, 381, 959 P207, LP200 PP87, L2 F-D S-U None SW1, SW22 SG69
: 6 : F : F : S : S : S : S	- 63, 190, 277, 327, 344, 381, 959 P207, LP200 PP87, L2 F-D S-U None SW1, SW22 SG69

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PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	203
PCA max net quantity (IATA)	:	75kg
CAO packing instructions (IATA)	:	203
CAO max net quantity (IATA)	:	150kg
Special provisions (IATA)	:	A145, A167, A802
ERG code (IATA)	:	10L
Inland waterway transport		
Classification code (ADN)	:	5F
Special provisions (ADN)	:	190, 327, 344, 625
Limited quantities (ADN)	:	1 L
Excepted quantities (ADN)	:	E0
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01, VE04
Number of blue cones/lights (ADN)	:	1
Rail transport		
Classification code (RID)	:	5F
Special provisions (RID)	:	190, 327, 344, 625
Limited quantities (RID)	:	1L
Excepted quantities (RID)	:	E0
Packing instructions (RID)	:	P207, LP200
Special packing provisions (RID)	:	PP87, RR6, L2
Mixed packing provisions (RID)	:	MP9
Transport category (RID)	:	2
Special provisions for carriage – Packages (RID)	:	W14
Special provisions for carriage - Loading, unloading	:	CW9, CW12
and handling (RID)		
Colis express (express parcels) (RID)	:	CE2
Hazard identification number (RID)	:	23

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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

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

VOC content

: 675 g/l

#### 15.1.2. National regulations

No additional information available

**15.2. Chemical safety assessment** 

No chemical safety assessment has been carried out

SECTION 16: Other information		
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.	
Other information	: None.	
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Full text of H- and EUH-statements:		
Carc. Not classified	Carcinogenicity Not classified	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Gas 1A	Flammable gases, Category 1A	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. Not classified	Flammable liquids Not classified	
Muta. Not classified	Germ cell mutagenicity Not classified	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H225	Highly flammable liquid and vapour.	
H229	Pressurised container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
EUH066	Repeated exposure may cause skin dryness or cracking.	

Safety Data Sheet (SDS), EU

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