

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 22-A 172 1L HS SCARLET BASE 1L Metal can

Version	Revision Date:	SDS Number:	Date of last issue: 23.08.2025
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : 22-A 172 1L HS SCARLET BASE 1L Metal can

Product code : 00000000053103921

Unique Formula Identifier (UFI) : ONVJ-T0MK-1005-14SR

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

Use of the Substance/Mixture : Spraying  
Coatings and related products

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

**Company:**  
BASF Coatings GmbH  
Postfach 6123  
48136 Münster  
Deutschland

**Contact address:**  
BASF plc  
4th and 5th Floors, 2 Stockport Exchange  
Railway Road, Stockport, SK1 3GG  
United Kingdom

Telephone: +44 161 475 3000  
E-mail address: product-safety-coatings@basf.com

#### 1.4 Emergency telephone

International emergency number:  
Telephone: +49 180 2273-112

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Specific target organ toxicity - single ex-	H336: May cause drowsiness or dizziness.

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posure, Category 3, Central nervous system

Specific target organ toxicity - single exposure, Category 3, Respiratory system  
Long-term (chronic) aquatic hazard, Category 2

H335: May cause respiratory irritation.

H411: Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

**Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Hazard pictograms :



Signal Word : Warning

Hazard Statements :	H226	Flammable liquid and vapor.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist or vapors.
P273	Avoid release to the environment.

**Response:**

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391	Collect spillage.

Hazardous ingredients which must be listed on the label:

Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)  
n-Butyl acetate

### Additional Labeling

EUH208 Contains methyl methacrylate, 2-hydroxyethyl methacrylate, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (NAM;BI). May produce an allergic reaction.

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : acrylic resin  
organic solvent  
pigment  
amines

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0)	64742-95-6 918-668-5 UK-20-0537843089-5-0000	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 20 - < 25
n-Butyl acetate	123-86-4 204-658-1 607-025-00-1 UK-20-9702550300-0-0000 UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 15 - < 20
methyl methacrylate	80-62-6 201-297-1 607-035-00-6 UK-20-2749242067-7-0000	Flam. Liq. 2; H225 Skin Irrit. 2; H315 Skin Sens. 1B; H317 STOT SE 3; H335	>= 0.3 - < 0.5

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	UK-20-9702550300-0-0000 UK-20-0537843089-5-0000  UK-20-9642318150-0-0000	(Respiratory system)	
2-hydroxyethyl methacrylate	868-77-9 212-782-2 607-124-00-X UK-20-0537843089-5-0000 UK-20-9642318150-0-0000	Eye Irrit. 2; H319 Skin Sens. 1B; H317	$\geq 0.3 - < 0.5$
Isodecyl methacrylate	29964-84-9 249-978-2 607-134-00-4 01-2119894925-17	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) Aquatic Chronic 1; H410  specific concentration limit STOT SE 3; H335 $\geq 10\%$	$\geq 0.3 - < 0.5$
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5 915-687-0 UK-20-9642318150-0-0000	Skin Sens. 1A; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410	$\geq 0.025 - < 0.1$

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

General advice : Never give anything by mouth to an unconscious person.  
Move out of dangerous area.  
In all cases of doubt, or when symptoms persist, seek medical attention.

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Immediately remove contaminated clothing.  
If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).  
First aid personnel should pay attention to their own safety.

- If inhaled : If breathed in, move person into fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
If symptoms persist, call a physician.
- In case of skin contact : Do NOT use solvents or thinners.  
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
If symptoms persist, call a physician.
- In case of eye contact : If symptoms persist, call a physician.  
In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If swallowed : Rinse mouth.  
Do NOT induce vomiting.  
If symptoms persist, call a physician.

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

- Symptoms : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.
- Risks : May cause respiratory irritation.  
May cause drowsiness or dizziness.

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

- Treatment : No known specific antidote.  
Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Water spray  
Dry powder  
Foam  
Carbon dioxide (CO<sub>2</sub>)

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Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.

Further information : Cool containers/tanks with water spray.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## SECTION 6: Accidental release measures

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

Personal precautions : Avoid breathing vapours.  
For non-emergency personnel:  
Use personal protective equipment.  
Ensure adequate ventilation, especially in confined areas.  
Keep away from sources of ignition.  
For emergency responders:  
Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

### 6.2 Environmental precautions

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.  
Avoid subsoil penetration.  
Do not allow uncontrolled discharge of product into the environment.

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

Methods for cleaning up : Ensure adequate ventilation.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local /

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national regulations (see section 13).

### 6.4 Reference to other sections

For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).  
Do not return residues to the storage containers.  
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.  
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.  
The workplace should be equipped with an emergency shower and eye-rinsing facility.  
Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.  
Do not breathe vapors or spray mist.
- Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapors are heavier than air and spread along floors. Vapor forms explosive mixtures with air.  
  
The relevant fire protection measures should be noted. Use explosion-proof equipment.
- Hygiene measures : Remove contaminated clothing immediately and dispose of safely.  
Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

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

- Further information on storage conditions : Keep away from heat. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to pre-

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vent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Recommended storage temperature : 5.00 - 35.00 °C

Packaging material : Suitable material: Carbon steel (Iron), tinned carbon steel (Tinplate)

### 7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
n-Butyl acetate	123-86-4	TWA	150 ppm 724 mg/m <sup>3</sup>	GB EH40
		STEL	200 ppm 966 mg/m <sup>3</sup>	GB EH40
		STEL	150 ppm 723 mg/m <sup>3</sup>	2019/1831/EU
	Further information: Indicative			
		TWA	50 ppm 241 mg/m <sup>3</sup>	2019/1831/EU
	Further information: Indicative			
methyl methacrylate	80-62-6	TWA	50 ppm 208 mg/m <sup>3</sup>	GB EH40
		STEL	100 ppm 416 mg/m <sup>3</sup>	GB EH40
		TWA	50 ppm	2009/161/EU
	Further information: Indicative			
		STEL	100 ppm	2009/161/EU
	Further information: Indicative			

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### 8.2 Exposure controls

#### Engineering measures

Ensure adequate ventilation.

#### Personal protective equipment

Eye/face protection : Required when there is a risk of eye contact.  
Safety glasses with side-shields conforming to EN166

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm  
Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
Request information on glove permeation properties from the glove supplier.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
Preventive skin protection  
Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Skin and body protection : chemical-resistant disposable coveralls

Respiratory protection : Suitable respiratory equipment:  
half-mask with A1P2 class combination filter

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Protective measures : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

: Do not breathe vapour/spray.  
Eye wash fountains and safety showers must be easily accessible.

If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9: Physical and chemical properties

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

Appearance	: liquid
Color	: red
Odor	: hydrocarbon-like
pH	: substance/mixture is non-polar/aprotic
Melting point/freezing point	: not determined
Boiling point/boiling range	: 130 - 140 °C Method: calculated not determined
Flash point	: 32 °C Method: ISO 3679
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: > 35.0 g/m <sup>3</sup> not determined
Vapor pressure	: 9 hPa (20 °C) 44 hPa (50 °C)

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Relative vapor density	:	Lighter than air. Water content greater than 10%.
Density	:	0.996 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	:	
Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	> 200 °C  not determined
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity	:	
Viscosity, kinematic	:	300.0 mm <sup>2</sup> /s (23 °C)  201.000 mm <sup>2</sup> /s (40 °C)
Flow time	:	> 44 s at 23 °C Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

### 9.2 Other information

Flammability (liquids)	:	Flammable liquid and vapour.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not corrosive to metals.
Particle size	:	The substance / product is marketed or used in a non solid or granular form.

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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form ignitable mixture with air.

#### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Protect from frost.  
Avoid direct sunlight.  
Heat.

#### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

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

##### Skin corrosion/irritation

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

##### Components:

##### n-Butyl acetate:

Assessment : Repeated exposure may cause skin dryness or cracking.

##### Serious eye damage/eye irritation

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

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### Respiratory or skin sensitization

#### Skin sensitization

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

#### Respiratory sensitization

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

May cause respiratory irritation.

May cause drowsiness or dizziness.

#### STOT-repeated exposure

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

#### Aspiration toxicity

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

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

#### **Solvent naphtha (petroleum), light arom. (CAS EU: 128601-23-0):**

Partition coefficient: n-octanol/water : log Pow: 3.17  
GLP: no

#### **n-Butyl acetate:**

Partition coefficient: n-octanol/water : Pow: 200 (25 °C)  
log Pow: 2.3 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117

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GLP: yes

### **methyl methacrylate:**

Partition coefficient: n-octanol/water : log Pow: 1.38 (20 °C)  
GLP: No information available.

### **2-hydroxyethyl methacrylate:**

Partition coefficient: n-octanol/water : log Pow: 0.42 (25 °C)  
pH: 5.9 - 6.1  
Method: OECD Test Guideline 107  
GLP: yes

### **Isodecyl methacrylate:**

Partition coefficient: n-octanol/water : log Pow: 6.45 - 7.44 (ca. 22 °C)  
pH: 7  
Method: OECD Test Guideline 117  
GLP: no

### **Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Partition coefficient: n-octanol/water : log Pow: 2.3 - 2.8 (25 °C)  
pH: 7  
Method: OECD Test Guideline 107

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Other adverse effects

### **Product:**

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f) at levels of 0.1% or higher.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Product : Do not discharge into drains/surface waters/groundwater. Observe national and local legal requirements.
- Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

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### SECTION 14: Transport information

#### 14.1 UN number

- ADN : UN 1263
- ADR : UN 1263
- RID : UN 1263
- IMDG : UN 1263
- IATA : UN 1263

#### 14.2 UN proper shipping name

- ADN : PAINT
- ADR : PAINT
- RID : PAINT
- IMDG : PAINT  
(SOLVENT NAPHTHA, ISODECYL METHACRYLATE)
- IATA : PAINT

#### 14.3 Transport hazard class(es)

- |      | Class | Subsidiary risks |
|------|-------|------------------|
| ADN  | : 3   |                  |
| ADR  | : 3   |                  |
| RID  | : 3   |                  |
| IMDG | : 3   |                  |
| IATA | : 3   |                  |

#### 14.4 Packing group

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### ADN

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

### ADR

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

### RID

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

### IMDG

Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

### IATA (Cargo)

Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable liquid

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

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### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	:	Conditions of restriction for the following entries should be considered: Number on list 3, 20
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Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	:	Not applicable
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The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	:	Not applicable
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Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable
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UK REACH List of substances subject to authorisation (Annex XIV)	:	Not applicable
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Control of Major Accident Hazards Regulations 2015 (COMAH)	E2	ENVIRONMENTAL HAZARDS
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	P5c	FLAMMABLE LIQUIDS
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	34	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same
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# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

## 22-A 172 1L HS SCARLET BASE 1L Metal can

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purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 41.17 %  
  
Volatile organic compounds (VOC) content: 410.05 g/l  
VOC content excluding water

### Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB:	d
Limit value for maximum VOC content as specified in Annex IIB:	420 g/l
VOC content of the ready-for-use product according to ISO 11890-2:	415 g/l

### 15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

## SECTION 16: Other information

### Full text of H-Statements

H225	: Highly flammable liquid and vapor.
H226	: Flammable liquid and vapor.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H361f	: Suspected of damaging fertility.
H400	: Very toxic to aquatic life.

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H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Asp. Tox. : Aspiration hazard  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Repr. : Reproductive toxicity  
Skin Irrit. : Skin irritation  
Skin Sens. : Skin sensitization  
STOT SE : Specific target organ toxicity - single exposure  
2009/161/EU : Europe. COMMISSION DIRECTIVE 2009/161/EU establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC  
2019/1831/EU : Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
2009/161/EU / TWA : Limit Value - eight hours  
2009/161/EU / STEL : Short term exposure limit  
2019/1831/EU / TWA : Limit Value - eight hours  
2019/1831/EU / STEL : Short term exposure limit  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-

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fect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : For multi-pack systems observe material safety data sheets of all components.  
Restricted to professional users.

### Classification of the mixture:

Flam. Liq. 3	H226
STOT SE 3	H336
STOT SE 3	H335
Aquatic Chronic 2	H411

### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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