

## Spectrum ViaLine F210



# SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 2015/830

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

### 1.1. Product identifier

<b>Product Name</b>	<b>Spectrum ViaLine F210</b>
<b>Product Inclusion</b>	This document covers all colour variants within the Spectrum ViaLine F210 20kg.
<b>Container Size</b>	

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

<b>Identified Uses</b>	Coloured paint, solvent-based, used for road marking. For professional use only.
<b>Uses advised against</b>	All uses not specified in this section or in section 7.3.

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

<b>Supplier</b>	Meon Ltd. Railside Northarbour Spur Portsmouth PO6 3TU  +44 (0) 23 9220 0606 mail@meonuk.com
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### 1.4. Emergency Telephone Number

<b>Emergency telephone</b>	+44 (0) 808 118 1922
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification of this product has been carried out in accordance with CLP Regulation (EC) no. 1272/2008, (GB CLP).

Flam. Liq. 2: Flammable liquids, Category 2, H225

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

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### 2.2. Label Elements

CLP Regulation (EC) no. 1272/2008  
(GB CLP).

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statement(s)

Flam. Liq. 2: Flammable liquids, Category 2, H225  
Flam. Liq. 3: Highly flammable liquid and vapour. Category 3, H226  
Eye Irrit. 2: Causes serious eye irritation, Category 2, H319

STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

#### Precautionary statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P370+P378: In case of fire: Use ABC powder extinguisher to put it out.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.

#### Supplementary information

EUH066 - Repeated exposure may cause skin dryness or cracking.  
EUH211: Warning! Hazardous respirable droplets may be formed when sprayed.  
Do not breathe spray or mist.

#### Substances that contribute to the classification

N-butyl acetate (CAS: 123-86-4)  
Ethyl acetate (CAS: 141-78-6)  
acetone (CAS: 67-64-1)

### 2.3. Other hazards

Product fails to meet PBT/vPvB criteria.

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable.

#### 3.2. Mixtures

**Chemical description**                      Acrylic resin

#### Components

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical Name	Classification	Concentration
CAS: 123-86-4	<b>N-butyl acetate<sup>(1)</sup></b>	Flam. Liq. 3: H226 STOT SE 3: H336 EUH066 - Warning GHS02 GHS07 Wng	15-<47%
CAS: 141-78-6	<b>Ethyl acetate<sup>(1)</sup></b>	Eye Irrit. 2: H319 Flam. Liq. 2: H225 STOT SE 3: H336 EUH066 - Danger GHS02 GHS07 Dgr	1 - <5 %
CAS: 67-64-1	<b>Acetone<sup>(1)</sup></b>	Eye Irrit. 2: H319 Flam. Liq. 2: H225 STOT SE 3: H336 EUH066 – Danger GHS02 GHS07 Dgr	1 - <5 %

### SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

#### 4.1. Description of first aid measures

<b>General information</b>	The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.
<b>Inhalation</b>	Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.
<b>Ingestion/Aspiration</b>	In case of consumption, seek immediate medical assistance showing the SDS of this product.
<b>Skin contact</b>	Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

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**Eye contact** Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not applicable.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** If possible, use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>).

**Unsuitable extinguishing media** IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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

**Specific hazards** As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

### **5.3. Advice for firefighters**

**Advice or firefighters** Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit).

**Additional provisions** Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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## **SECTION 6: Accidental release measures**

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

#### **For non-emergency personnel**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8).

Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

#### **For emergency responders**

See section 8.

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### **6.2. Environmental precautions**

This product is not classified as hazardous to the environment. Keep product away from drains, surface, and underground water.

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

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

### **6.4. Reference to other sections**

See sections 8 and 13.

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## **SECTION 7: Handling and storage**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### **7.1. Precautions on safe handling**

#### **Precautions for safe manipulation**

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

#### **Technical recommendations for the prevention of fires and explosions**

Transfer in well-ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibers, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

#### **Technical recommendations to prevent ergonomic and toxicological risks**

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

#### **Technical recommendations to prevent environmental risks**

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

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

<b>Technical measures for storage</b>	Minimum Temp.: 5 °C
	Maximum Temp.: 30 °C
	Maximum Time.: 6 months

#### **General conditions for storage**

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

### **7.3. Specific end use(s)**

#### **Specific end use(s)**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

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### SECTION 8: Exposure controls/personal protection

Substances whose occupational exposure limits have to be monitored in the work environment.

#### 8.1. Control parameters

Identification	Occupational exposure limits		
<b>N-butyl acetate</b> CAS: 123-86-4	WEL (8h)	150 ppm	724 mg/m <sup>3</sup>
	WEL (15 min)	200 ppm	966 mg/m <sup>3</sup>
<b>Ethyl acetate</b> CAS: 141-78-6	WEL (8h)	200 ppm	734 mg/m <sup>3</sup>
	WEL (15 min)	400 ppm	1468 mg/m <sup>3</sup>
<b>Acetone</b> CAS: 67-64-1	WEL (8h)	500 ppm	1210 mg/m <sup>3</sup>
	WEL (15 min)	15000 ppm	3620 mg/m <sup>3</sup>

#### DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
<b>N-butyl acetate</b> CAS: 123-86-4 EC: 204-658-1	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	11 mg/kg	Not applicable	11mg/kg	Not applicable
	Inhalation	600 mg/m <sup>3</sup>	600 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>
<b>Ethyl acetate</b> CAS: 141-78-6 EC: 205-500-4	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	Not applicable	Not applicable	63 mg/kg	Not applicable
	Inhalation	1468 mg/m <sup>3</sup>	1468 mg/m <sup>3</sup>	734 mg/m <sup>3</sup>	734 mg/m <sup>3</sup>
<b>Acetone</b> CAS: 67-64-1 EC: 200-662-2	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	Not applicable	Not applicable	186 mg/kg	Not applicable
	Inhalation	Not applicable	2420 mg/m <sup>3</sup>	1210 mg/m <sup>3</sup>	Not applicable

#### DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
<b>N-butyl acetate</b> CAS: 123-86-4 EC: 204-658-1	Oral	2 mg/kg	Not applicable	2 mg/kg	Not applicable
	Dermal	6 mg/kg	Not applicable	6 mg/kg	Not applicable
	Inhalation	300 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	35.7 mg/m <sup>3</sup>	35.7 mg/m <sup>3</sup>
<b>Ethyl acetate</b> CAS: 141-78-6 EC: 205-500-4	Oral	Not applicable	Not applicable	4.5 mg/kg	Not applicable
	Dermal	Not applicable	Not applicable	37 mg/kg	Not applicable
	Inhalation	734 mg/m <sup>3</sup>	734 mg/m <sup>3</sup>	367 mg/m <sup>3</sup>	367 mg/m <sup>3</sup>
<b>Acetone</b> CAS: 67-64-1 EC: 200-662-2	Oral	Not applicable	Not applicable	62 mg/kg	Not applicable
	Dermal	Not applicable	Not applicable	62 mg/kg	Not applicable
	Inhalation	Not applicable	Not applicable	200 mg/m <sup>3</sup>	Not applicable

#### PNEC:

Identification				
<b>N-butyl acetate</b> CAS: 123-86-4 EC: 204-658-1	STP	35.6 mg/L	Fresh water	0.18 mg/L
	Soil	0.09 mg/kg	Marine water	0.018 mg/L
	Intermittent	0.36 mg/L	Sediment (Fresh water)	0.981 mg/kg
	Oral	Not applicable	Sediment (Marine water)	0.098 mg/kg
<b>Ethyl acetate</b> CAS: 141-78-6 EC: 205-500-4	STP	650 mg/L	Fresh water	0.24 mg/L
	Soil	0.148 mg/kg	Marine water	0.024 mg/L
	Intermittent	1.65 mg/L	Sediment (Fresh water)	1.15 mg/kg
	Oral	02 g/kg	Sediment (Marine water)	0.115 mg/kg

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<b>Acetone</b> CAS: 67-64-1 EC: 200-662-2	STP	100 mg/L	Fresh water	10.6 mg/L
	Soil	29.5 mg/kg	Marine water	1.06 mg/L
	Intermittent	21 mg/L	Sediment (Fresh water)	30.4 mg/kg
	Oral	Not applicable	Sediment (Marine water)	3.04 mg/kg


### 8.2. Exposure controls

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


As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

#### Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.


#### Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	Replace the gloves at any sign of deterioration.



As the product is a mixture of several substances, the resistance of the glove material cannot be predicted in advance with total reliability and has therefore to be checked prior to the application.

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### Ocular and facial protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

### Bodily protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot Protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

### Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

### Environmental exposure controls

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1 D.



**SECTION 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

For complete information see the product datasheet

**Appearance**

Physical state at 20 °C	Liquid
Appearance	Fluid
Colour	White
Odour	Characteristic
Odour threshold	Not applicable *

**Volatility**

Boiling point at atmospheric pressure	>35 °C
Vapour pressure at 20 °C	8784 Pa
Vapour pressure at 50 °C	31142.34 (31.14 kPa)
Evaporation rate at 20 °C	Not applicable *

**Product description**

Density at 20 °C	1660 kg/m <sup>3</sup>
Relative density at 20 °C	1.61 – 1.71
Dynamic viscosity at 20 °C	Not applicable *
Kinematic viscosity at 20 °C	Not applicable *
Kinematic viscosity at 40 °C	Not applicable *
Concentration	Not applicable *
pH	Not applicable *
Vapour density at 20 °C	Not applicable *
Partition coefficient n-octanol/water at 20 °C	Not applicable *
Solubility in water at 20 °C	Not applicable *
Solubility properties	Not applicable *
Decomposition temperature	Not applicable *
Melting point/Freezing point	Not applicable *
Explosive properties	Not applicable *
Oxidising properties	Not applicable *

**Flammability**

Flash point	8 °C
Flammability (solid, gas)	Not applicable *
Autoignition temperature	421 °C
Lower flammability limit	Not available
Upper flammability limit	Not available

**Explosive**

Lower explosive limit	Not applicable *
Upper explosive limit	Not applicable *

**9.2. Other information**

Surface tension at 20 °C	Non-applicable*
Refraction index	Non-applicable*

\* Not relevant due to the nature of the product, not providing information property of its hazards.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

#### 10.2. Chemical stability

Chemically stable under the conditions of storage, handling and use.

#### 10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

#### 10.4. Conditions to avoid

Applicable for handling and storage at room temperature

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

#### 10.5. Incompatible materials

Acids	Water	Combustive materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

#### 10.6. Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available.

#### Dangerous health implications

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

##### Ingestion (acute effect)

###### Acute toxicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.

###### Corrosivity/Irritability

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

##### Inhalation (acute effect)

###### Acute toxicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

###### Corrosivity/Irritability

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

##### Contact with the skin and the eyes (acute effect):

###### Contact with the skin

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.

###### Contact with the eyes

Produces eye damage after contact.

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<b>CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)</b>	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
<b>Mutagenicity</b>	Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
<b>Reproductive toxicity</b>	May cause harm to breast-fed children
<b>Sensitizing effects</b>	
<b>Respiratory</b>	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
<b>Cutaneous</b>	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
<b>Specific target organ toxicity (STOT) - single exposure</b>	Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
<b>Specific target organ toxicity (STOT)-repeated exposure</b>	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
<b>Skin</b>	Repeated exposure may cause skin dryness or cracking.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
<b>Other information</b>	Not applicable.

### Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
<b>N-butyl acetate</b> CAS: 123-86-4	LD50 oral	12789 mg/kg	Rat
	LD50 dermal	14112 mg/kg	Rabbit
	LC50 inhalation	23.4 mg/L (4 h)	Rat
<b>Ethyl acetate</b> CAS: 141-78-6	LD50 oral	4100 mg/kg	Rat
	LD50 dermal	20000 mg/kg	Rabbit
	LC50 inhalation	Not applicable	
<b>Acetone</b> CAS: 67-64-1	LD50 oral	5800 mg/kg	Rat
	LD50 dermal	7426 mg/kg	Rabbit
	LC50 inhalation	76 mg/L (4 h)	Rat

### Acute Toxicity Estimate (ATE mix)

	ATE mix	Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculation method)	Not applicable
Dermal	>5000 mg/kg (Calculation method)	Not applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Not applicable

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### SECTION 12: Ecological information

The experimental information related to the ecotoxicological properties of the product itself is not available.

#### 12.1. Toxicity

##### Acute toxicity:

Identification	Acute toxicity		Species	Genus
<b>N-butyl acetate</b> CAS: 123-86-4	LC50	Not applicable		
	EC50	Not applicable		
	EC50	675 mg/L (72 h)	Scenedesmus subspicatus	Algae
<b>Ethyl acetate</b> CAS: 141-78-6	LC50	230 mg/L (96 h)	Pimephales promelas	Fish
	EC50	717 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	3300 mg/L (48 h)	Scenedesmus subspicatus	Algae
<b>Acetone</b> CAS: 67-64-1	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	8800 mg/L (48 h)	Daphnia pulex	Crustacean
	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa	Algae

##### Chronic toxicity:

Identification	Acute toxicity		Species	Genus
<b>N-butyl acetate</b> CAS: 123-86-4	NOEC	Not applicable		
	NOEC	23.2 mg/L	Daphnia magna	Crustacean
<b>Ethyl acetate</b> CAS: 141-78-6	NOEC	9.65 mg/L	Pimephales promelas	Fish
	NOEC	2.4 mg/L	Daphnia magna	Crustacean
<b>Acetone</b> CAS: 67-64-1	NOEC	Not applicable		
	NOEC	2212 mg/L	Daphnia magna	Crustacean

#### 12.2. Persistence and degradability

Identification	Degradability		Biodegradability	
<b>N-butyl acetate</b> CAS: 123-86-4	BOD5	Non-applicable	Concentration	Not applicable
	COD	Non-applicable	Period	5 days
	BOD5/COD	Not applicable	% Biodegradable	84 %
<b>Ethyl acetate</b> CAS: 141-78-6	BOD5	1.36 g O <sub>2</sub> /g	Concentration	100 mg/L
	COD	1.69 g O <sub>2</sub> /g	Period	14 days
	BOD5/COD	0.8	% Biodegradable	83 %
<b>Acetone</b> CAS: 67-64-1	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Not applicable	% Biodegradable	96 %

#### 12.3. Bioaccumulative potential

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Identification	Bioaccumulation potential	
<b>N-butyl acetate</b> CAS: 123-86-4	BCF	4
	Pow Log	1.78
	Potential	Low
<b>Ethyl acetate</b> CAS: 141-78-6	BCF	30
	Pow Log	0.73
	Potential	Moderate
<b>Acetone</b> CAS: 67-64-1	BCF	1
	Pow Log	-0.24
	Potential	Low

### 12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
<b>N-butyl acetate</b> CAS: 123-86-4	Koc	Not applicable	Henry	Not applicable
	Conclusion	Not applicable	Dry soil	Not applicable
	Surface tension	2.478E-2 N/m (25 °C)	Moist soil	Not applicable
<b>Ethyl acetate</b> CAS: 141-78-6 EC: 205-500-4	Koc	59	Henry	13.58 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.324E-2 N/m (25 °C)	Moist soil	Yes
<b>Acetone</b> CAS: 67-64-1 EC: 200-662-2	Koc	1	Henry	2.93 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.304E-2 N/m (25 °C)	Moist soil	Yes

### 12.5. Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria.

### 12.6. Other adverse effects

Not described.

## SECTION 13: Disposal considerations

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

### 13.1. Waste treatment methods

<b>Code</b>	08 01 11*
<b>Description</b>	Waste paint and varnish containing organic solvents or other hazardous substances
<b>Waste class (Regulation (EU) No 1357/2014)</b>	Dangerous
<b>Type of waste (Regulation (EU) No 1357/2014)</b>	HP14 Ecotoxic, HP3 Flammable

<b>Waste management (disposal and evaluation)</b>	Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.
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## Spectrum Vialine F210

**Regulations related to waste management** In accordance with Annex II of Regulation (EC) No. 1907/2006 (REACH) the community or state provisions related to waste management are stated.  
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for Air Transport.

#### 14.1. UN number

ADR 2019 and RID 2019	UN1263
IMDG 38-16	UN1263
IATA/ICAO 2019	UN1263

#### 14.2. UN proper shipping name

ADR 2019 and RID 2019	PAINT
IMDG 38-16	PAINT
IATA/ICAO 2019	PAINT

#### 14.3. Transport hazard class(es)

ADR 2019 and RID 2019	3
IMDG 38-16	3
IATA/ICAO 2019	3
Transport Labels	



#### 14.4. Packing group

ADR 2019 and RID 2019	II
IMDG 38-16	II
IATA/ICAO 2019	II

#### 14.5. Environmental hazards

ADR 2019 and RID 2019	No
IMDG 38-16	No
IATA/ICAO 2019	No

#### 14.6. Special precautions for user

ADR 2019 and RID 2019	
Physico-Chemical properties	See Section 9
IMDG 38-16	
Special regulations	367, 163
EmS code	F-E, S-E
Physico-Chemical properties	See Section 9
Limited quantities	5 L
Segregation group	Not applicable.
IATA/ICAO 2019	
Physico-Chemical properties	See Section 9

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

ADR 2019 and RID 2019	Not applicable.
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## Spectrum Vialine F210

IMDG 38-16  
IATA/ICAO 2019

Not applicable.  
Not applicable.

### SECTION 15: Regulatory information

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

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	Flammable Liquids	5000	50000

#### Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....)

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:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- “whoopee” cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

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:

‘For professional users only’.

#### Regulation (EU) No 98/2013 of the European Parliament and of the Council of 15 January 2013 on the marketing and use of explosives precursors

Contains Acetone. Product under the provisions of Article 9

#### Specific provisions in terms of protecting people or the environment

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

#### Other legislation

The product could be affected by sectorial legislation

#### 15.2. Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

### SECTION 16: Other information

#### Legislation related to safety data sheets

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830).

#### Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks

Not applicable

#### Texts of the legislative phrases mentioned in section 2

H336: May cause drowsiness or dizziness.

H225: Highly flammable liquid and vapour.

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### Texts of the legislative phrases mentioned in section 3

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

### CLP Regulation (EC) no. 1272/2008

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

STOT SE 3: H336 - May cause drowsiness or dizziness.

### Classification procedure

STOT SE 3: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

### Advice related to training

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

### Principal bibliographical sources

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

### Abbreviations and acronyms

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

LogPOW: Octanolwater partition coefficient

Koc: Partition coefficient of organic carbon

UFI: unique formula identifier

IARC: International Agency for Research on Cancer

### Disclaimer

*This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.*