

Spectrum UltraStripe L224 Sprayable MMA Paint



SAFETY DATA SHEET BASE.A

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 453/2010

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

1.1. Product identifier

Product Name	Spectrum UltraStripe L224 Sprayable MMA Paint
Product Inclusion	Part.1 of this document covers all colour variations within the Spectrum UltraStripe Sprayable MMA Paint range (BASE.A)
Container Size	20kg

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

Identified Uses	Base for road marking filler (2 components) – use Catalyst Coated Glass Beads for MMA Use only the reactive glass beads of the same reference Respect the dosage Part A / catalyst coated glass beads indicated by the supplier Professional use only
Uses advised against	No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier	Meon Ltd. Railside Northarbour Spur Portsmouth PO6 3TU +44 (0) 23 9220 0606 mail@meonuk.com
-----------------	---

1.4. Emergency Telephone Number

Emergency telephone	+44 (0) 808 118 1922
----------------------------	----------------------

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

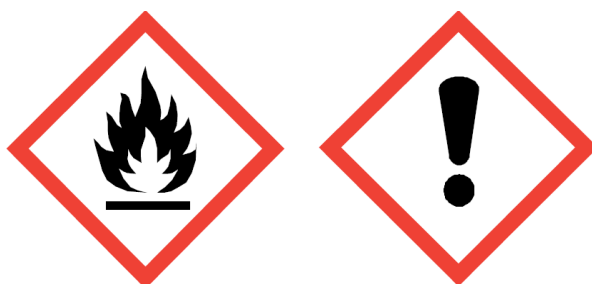
Classification according to regulation EC1272/2008 and amendments

- Flammable liquids – Hazard category 2 - H225
- Skin irritation – Hazard category 2 – H315
- Sensitisation. Skin – Hazard category 1 – H317
- Specific target organ toxicity – single exposure – Hazard category 3, respiratory tract irritation – H335

2.2. Label Elements

Spectrum UltraStripe L224 Sprayable MMA Paint

Hazard pictograms



Signal word	Danger
Hazardous component(s) for labelling	Methyl methacrylate – 2-ethylhexyle acrylate – 2-hydroxypropyl methacrylate
H-statement(s)	H225 - Highly flammable liquid and vapour H315 - Cause skin irritation H317 – May cause an allergic skin reaction H335 – May cause respiratory irritation
P-statement(s)	P210 - Keep away from heat/sparks/open flames/hot surfaces – no smoking P280 - Wear protective gloves/protective clothing/eye protection/face protection P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P403+P233 - Store in a well-ventilated place. Keep container tightly closed P501 - Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.
Additional Information	Contains 2,2'-[(4-methylphenyl)imino]bisethanol, 2-ethylhexyl acrylate, 2-hydroxypropyl methacrylate, Methyl methacrylate, Tetramethylene dimethacrylate. EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

The product is not classified as PBT or vPvB (REACH- Annex XIII)

SECTION 3: Composition/information on ingredients

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

SUBSTANCE [] MIXTURE [X]

Dangerous component(s)

Chemical Name	CAS: EC:	Chemical Classification	Concentration
Methyl methacrylate	80-62-6 201-297-1	Flam. Liq. 2 – H225, Skin Irrit. 2 – H315, Skin Sens. 1 – H317, STOT SE. 3 – H335	15 - < 47
2 ethylhexyl acrylate	103-11-7 203-080-7	Skin Irrit. 2 – H315, Skin Sens. 1 – H317 STOT SE. 3 – H335	5 - < 15
2-hydroxypropyle methacrylate	2082-81-7 213-090-3	Skin Sens. 1 – H317, Eye Irrit. 2 – H319	5 - < 15

Spectrum UltraStripe L224 Sprayable MMA Paint

Tetramethylene dimethacrylate	99-97-8 202-805-4	Acute Tox. 3 – H301, Acute Tox. 3 – H311 Acute Tox. 3 – H331, STOT RE. 2 – H373 Aquatic Chronic 3 – H412	0,5 - <1
2,2''[(4-methylphenyl)imino]bisethanol	3077-12-1 221-359-1	Acute Tox. 4 - H302, Aquatic Chronic 3 - H412 Eye Dam. 1 - H318, Skin Sens. 1 - H317 - Danger	< 0,5

To obtain more information on the hazards of the substances refer to sections 11, 12 and 16.

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

- In case of inhalation:** 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.
- In case of skin contact:** 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.
- In case of 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, in which case 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.
- In case of ingestion:** Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, foam, CO₂, dry powder.

Spectrum UltraStripe L224 Sprayable MMA Paint

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

May be releases in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.
Runoff to sewer may create fire or explosion hazard.

5.3. Advice for firefighters

Wear full firefighting protective clothing and self-contained breathing apparatus.
Use water spray to keep fire-exposed containers cool.
Do not allow fire extinguishing water to contaminate surface or groundwater systems.

Additional information

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.

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.

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

It is recommended:

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.

SECTION 7: Handling and storage

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.

Spectrum UltraStripe L224 Sprayable MMA Paint

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 fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. 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

Technical measures for storage

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 and uses

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substances whose occupational exposure limits must be monitored in the workplace:
 EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Substance(s)	Occupational exposure limits		
	WEL (8h)	50 ppm	208 mg/m ³
Methyl methacrylate CAS: 80-62-6	WEL (15 min)	100ppm	416 mg/m ³

DNEL – Worker

Substance(s)		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Methyl methacrylate	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	Not applicable	Not applicable	13.67 mg/kg	Not applicable
	Inhalation	Not applicable	416 mg/m ³	348.4 mg/m ³	208 mg/m ³
2-ethylhexyle acrylate	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	Not applicable	Not applicable	6.5 mg/kg	Not applicable
	Inhalation	Not applicable	38 mg/m ³	Not applicable	38 mg/m ³
Tetramethylene dimethacrylate	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	Not applicable	Not applicable	4.2 mg/kg	Not applicable
	Inhalation	Not applicable	Not applicable	14.5 mg/m ³	Not applicable

Spectrum UltraStripe L224 Sprayable MMA Paint

2,2'-[(4-methylphenyl)imino]bisethanol	Oral	Not applicable	Not applicable	Not applicable	Not applicable
	Dermal	Not applicable	Not applicable	0.47 mg/kg	Not applicable
	Inhalation	Not applicable	Not applicable	3.29 mg/m ³	Not applicable

DNEL – Population

Substance(s)		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Methyl methacrylate	Oral	Not applicable	Not applicable	8.2 mg/kg	Not applicable
	Dermal	Not applicable	Not applicable	8.2 mg/kg	Not applicable
	Inhalation	Not applicable	208 mg/m ³	74.3 mg/m ³	104 mg/m ³
2-ethylhexyle acrylate	Oral	Not applicable	Not applicable	0.23 mg/kg	Not applicable
	Dermal	Not applicable	Not applicable	2.34 mg/kg	Not applicable
	Inhalation	Not applicable	38 mg/m ³	Not applicable	4.5 mg/m ³
Tetramethylene dimethacrylate	Oral	Not applicable	Not applicable	2.5 mg/kg	Not applicable
	Dermal	Not applicable	Not applicable	2.5 mg/kg	Not applicable
	Inhalation	Not applicable	Not applicable	4.3 mg/m ³	Not applicable
2,2'-[(4-methylphenyl)imino]bisethanol	Oral	Not applicable	Not applicable	0.16 mg/kg	Not applicable
	Dermal	Not applicable	Not applicable	0.17 mg/kg	Not applicable
	Inhalation	Not applicable	Not applicable	0.58 mg/m ³	Not applicable

PNEC: Predicted No Effect Concentration

Substance(s)				
Methyl methacrylate	STP	10 mg/L	Fresh water	0.94 mg/L
	Soil	1.48 mg/kg	Marine water	0.094 mg/L
	Intermittent	0.94 mg/L	Sediment (Fresh water)	10.2 mg/kg
	Oral	Not applicable	Sediment (Marine water)	0.102 mg/kg
2-ethylhexyle acrylate	STP	2.3 mg/L	Fresh water	0.00272 mg/L
	Soil	1 mg/kg	Marine water	0.000272 mg/L
	Intermittent	0.011 mg/L	Sediment (Fresh water)	0.108 mg/L
	Oral	Not applicable	Sediment (Marine water)	0.0108 mg/L
Tetramethylene dimethacrylate	STP	2 mg/L	Fresh water	0.043 mg/L
	Soil	0.573 mg/kg	Marine water	0.004 mg/L
	Intermittent	0.098 mg/L	Sediment (Fresh water)	3.12 mg/kg
	Oral	Not applicable	Sediment (Marine water)	0.312 mg/kg
2,2'-[(4-methylphenyl)imino]bisethanol	STP	10 mg/L	Fresh water	0.026 mg/L
	Soil	0.009 mg/kg	Marine water	0.003mg/L
	Intermittent	0.26 mg/L	Sediment (Fresh water)	0.121 mg/kg
	Oral	Not applicable	Sediment (Marine water)	0.012 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 Protective Equipment, with the corresponding <<UKCA Markings>>.

For more information on Personal Protective 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.

Spectrum UltraStripe L224 Sprayable MMA Paint

Respiratory protection	Use suitable respiratory device when it exceeds exposure limit and when insufficiently ventilated (Filter A2/P2- EN 140-141.1432) Breathing apparatus in case of high concentrations
Hand Protection	Only use chemical protective gloves EN 374 [Nitril- Viton- Neoprene 45μ) Gloves should be replaced regularly, especially after extended contact with the product. For each workplace a suitable glove type has de selected. Replace gloves immediately when torn or any change in appearance is notified (dimension, colour, flexibility) The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer
Eye Protection	Tightly sealed goggles (EN 166). Provide eye wash fountain and safety shower in close proximity to points of potential exposure, if is it possible
Body protection	Wear appropriate work clothing to prevent any possibility of skin contact
Foot protection	Wear safety footwear with antistatic and heat resistant properties. Replace boots at any sign of deterioration.
Additional emergency measures	Emergency shower: ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 Eyewash: DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state at 20°C	Liquid
Appearance	Viscous
Colour	White
Odour	Characteristic
Odour threshold	Not applicable
Boiling Point [°C]	> 100°C
Vapour pressure 20°C	2893 Pa
Vapour pressure 50°C	12737.09 Pa (12.74 kPa)
Evaporation rate at 20°	Not applicable
Density at 20°C	1899.5 kg/m ³
Relative density at 20 °C	1.849 – 1.949
Dynamic viscosity at 20°C	Not applicable
Kinematic viscosity at 20°C	Not applicable
Kinematic viscosity at 40°C	>20.5 mm ² /s
Concentration	Not applicable
pH	Not applicable

Spectrum UltraStripe L224 Sprayable MMA Paint

Partition coefficient (n-octanol/water 20°C)	Not applicable
Solubility in water at 20°C	Not applicable
Solubility properties	Not applicable
Decomposition temperature	Not applicable
Melting point/freezing point	11°C
Flash point	Not applicable
Flammability (solid, gas)	258 °C
Autoignition temperature	No data available
Lower flammability limit	No data available
Upper flammability limit	Not applicable
Median equivalent diameter	

9.2. Other information

Explosive properties	Not applicable
Oxidising properties	Not applicable
Corrosive to metals	Not applicable
Heat of combustion	Not applicable
Aerosols total percentage (by mass) of flammable components	Not applicable

Other safety characteristics

Surface tension at 20°C	Not applicable
Refraction index	Not applicable

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

Stable under normal temperature condition and recommended use

10.3. Possibility of hazardous reactions

None under normal specified conditions.

10.4. Conditions to avoid

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

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Contains substances highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.

Spectrum UltraStripe L224 Sprayable MMA Paint

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 the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

Ingestion (acute effect)

Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.

Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting

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 inhalation. For more information see section 3.

Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

Contact with the skin and the eyes (acute effect)

Contact with the skin: Produces skin inflammation.

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

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)

Carcinogenicity: 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.

IARC: Titanium dioxide (2B); Methyl methacrylate (3); 2-ethylhexyl acrylate (2B); Ethylbenzene (2B); Xylene

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

Reproductive 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.

Sensitizing effects

Respiratory: 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.

Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

Specific target organ toxicity (STOT) - single exposure

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

Specific target organ toxicity (STOT)-repeated exposure

Specific target organ toxicity (STOT)-repeated exposure: 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.

Spectrum UltraStripe L224 Sprayable MMA Paint

Skin: 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.

Aspiration hazard

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.

Other information

Not applicable.

Specific toxicology information on the substances:

Substance(s)	Acute toxicity		Genus
Methyl methacrylate CAS: 80-62-6	LD50 Oral	5000 mg/kg	Rat
	LD50 Dermal	5000 mg/kg	Rabbit
	LD50 Inhalation	29.8 mg/L (4 h)	Rat
2-ethylhexyl acrylate CAS: 103-11-7	LD50 Oral	4435 mg/kg	Rat
	LD50 Dermal	7552 mg/kg	Rabbit
	LD50 Inhalation	Not applicable	
2,2'-[(4-methylphenyl)imino]bisethanol CAS: 3077-12-1	LD50 Oral	Not applicable	
	LD50 Dermal	1100 mg/kg	
	LD50 Inhalation	Non applicable	

Acute Toxicity Estimate (ATE mix):

ATE mix		LC Inhalation
Oral	> 5000 mg/kg (calculation method)	Not applicable
Dermal	> 5000 mg/kg (calculation method)	Not applicable
Inhalation	> 20 mg/kg (calculation method)	Not applicable

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

SECTION 12: Ecological information

12.1. Toxicity

Substance(s)	Concentration		Species	Genus
Methyl methacrylate CAS: 80-62-6	LC50	191 mg/L (96 h)	Lepomis macrochirus	Fish
	EC50	69 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	170 mg/L (96 h)	Selenastrum capricornutum	Algae
2-ethylhexyl acrylate CAS: 103-11-7	LC50	>10 – 100 (96 h)		Fish
	EC50	>10 – 100 (48 h)		Crustacean
	EC50	>10 – 100 (72 h)		Algae

Chronic toxicity:

Substance(s)	Concentration		Species	Genus
Methyl methacrylate CAS: 80-62-6	NOEC	94 mg/L	Danio rerio	Fish
	NOEC	37 mg/L	Daphnia magna	Crustacean

12.2 Persistence and degradability

Substance(s)	Degradability		Biodegradability	
Methyl methacrylate CAS: 80-62-6	BOD5	Not applicable	Concentration	100 mg/L
	COD	Not applicable	Period	14 days
	BOD5/COD	Not applicable	% Biodegradable	94.3 %

Spectrum UltraStripe L224 Sprayable MMA Paint

12.3 Bioaccumulative potential

Substance(s)	Bioaccumulation potential	
Methyl methacrylate CAS: 80-62-6	BCF	7
	Pow Log	1.38
	Potential	Low

12.4 Mobility in soil

Substance(s)	Absorption/description		Volatility	
Methyl methacrylate CAS: 80-62-6	Koc	Not applicable	Henry	Not applicable
	Conclusion	Not applicable	Dry soil	Not applicable
	Surface tension	2.551E-2 N/m (25 °C)	Moist soil	Not applicable
2-ethylhexyl acrylate CAS: 103-11-7	Koc	Not applicable	Henry	Not applicable
	Conclusion	Not applicable	Dry soil	Not applicable
	Surface tension	2.58E-2 N/m (25 °C)	Moist soil	Not applicable

12.5. Results of PBT and vPvB assessment

This product does not contain any BPT or vPvB substance

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Code	Description	Waste class
08 01 11*	waste paint and varnish containing organic solvents or other hazardous	Dangerous

Type of waste: HP3 Flammable, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 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.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:
UK legislation: The Waste Regulations 2011.

SECTION 14: Transport information

Transport of dangerous goods by land

ADR 2021 AND RID 2021



14.1 UN Number:

1263

14.2 UN proper shipping name:

PAINT

Spectrum UltraStripe L224 Sprayable MMA Paint

14.3 Transport hazard class(es) label:	3
Labels:	3
14.4 Packing Group:	II
14.5 Environmental hazards:	No
14.6 Special precautions for user	
Physio-Chemical properties:	See section 9
14.7 Transport in bulk (annexe II MARPOL 73/78 ans IBC code)	Not applicable.

Transport of dangerous goods by sea

IMDG 39-18

14.1 UN Number:	1263
14.2 UN proper shipping name:	PAINT
14.3 Transport hazard class(es) label:	3
Labels:	3
14.4 Packing Group:	II
14.5 Environmental hazards:	No
14.6 Special precautions for user	
Special regulations:	See section 9
EmS Codes:	F-E, S-E
Physio-Chemical properties:	See section 9
Limited quantities:	5 L
Segregation group:	Not applicable.
14.7 Transport in bulk (annexe II MARPOL 73/78 ans IBC code)	Not applicable.

Transport of dangerous goods by air

IATA/ICAO 2021

14.1 UN Number:	1263
14.2 UN proper shipping name:	PAINT
14.3 Transport hazard class(es) label:	3
Labels:	3
14.4 Packing Group:	II
14.5 Environmental hazards:	No
14.6 Special precautions for user	
Physio-Chemical properties:	See section 9

SECTION 15: Regulatory information

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

The Control of Major Accident Hazards Regulations 2015:

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 UK REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, tricks and jokes, games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130

Spectrum UltraStripe L224 Sprayable MMA Paint

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 REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: Other information

Legislation related to safety data sheets

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

H317: May cause an allergic skin reaction.

H315: Causes skin irritation.

H335: May cause respiratory irritation.

H225: Highly flammable liquid and vapour.

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.

GB CLP Regulation:

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

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

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

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

STOT SE 3: H335 - May cause respiratory irritation.

Classification procedure:

Skin Sens. 1: Calculation method

Skin Irrit. 2: Calculation method

STOT SE 3: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and 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>

Spectrum UltraStripe L224 Sprayable MMA Paint

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.