SAFETY DATA SHEET

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 ClearSeal F260 Two Pack Acrylic Sealer

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

Identified Uses See Technical Data Sheet.
For Professional use only.

Uses advised against

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

Regulation (EC) No: 1272/2008 (CLP)

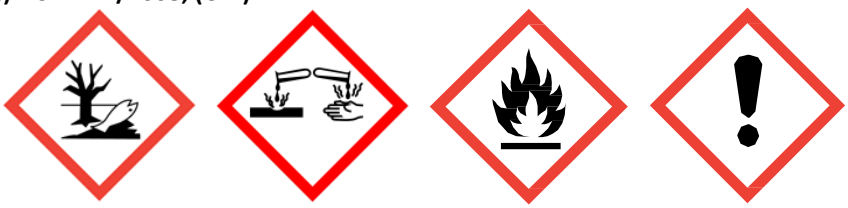
Hazard categories and statements

Flammable Liquids, Category 3; H226 - Flammable liquid and vapour.
Skin Irritation, Category 2; H315 - Causes skin irritation.
Eye Damage, Category 1; H318 - Causes serious eye damage.
Specific Target Organ Toxicity, Single Exposure, Category 3; H335 - May cause respiratory irritation.
Specific Target Organ Toxicity, Single Exposure, Category 3; H336 - May cause drowsiness or dizziness.
Chronic Aquatic Toxicity, Category 2; H411 - Toxic to aquatic life with long lasting effects.

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008, (CLP)

Hazard pictograms



Signal Word	Danger
Hazard statement(s)	H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H318 - Causes serious eye damage. H335 - May cause respiratory irritation. H336 - May cause drowsiness or dizziness. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P261 - Avoid breathing dust, fume, gas, mist, vapours or spray. P280 - Wear protective gloves, protective clothing, eye protection and face protection. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTRE or doctor. P403+P235 - Store in a well-ventilated place. Keep cool.
Supplemental hazard information	None.

2.3. Other hazards

Results of PBT and vPvB assessment

PBT	Not applicable.
vPvB	Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Description of the mixture Mixture of resins, solvents, pigments and additives.

Hazardous components

Chemical Name	CAS Number	EC Number	REACH Registration Number	Classification according to Regulation (EC) No. 1272/2008	% (Weight)
hydrocarbons, c9, aromatics		918-668-5	01-2119455851-35	H226, H304, H335, H336, H411, EUH066	25 - 50 %
aromatic hydrocarbons, c8	90989-38-1	292-694-9		H226, H304, H312, H315, H319, H332, H335, H373	2.5 - 10 %
n-butyl acetate	123-86-4	204-658-1		H226, H336, EUH066	2.5 - 10 %
butan-1-ol	71-36-3	200-751-6		H226, H302, H315, H318, H335, H336	2.5 - 10 %

2-methylpropan-1-ol	78-83-1	201-148-0		H226, H315, H318, H335. H336	2.5 - 10 %
n-methyl-2-pyrrolidone	872-50-4	212-828-1		H315, H319, H335, H360D	0.1 - 1.0 %
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8	219-784-2		H318	0.1 - 1.0 %

For the full text of the Hazard Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

General notes
In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
If unconscious place in recovery position and seek medical advice.

Skin contact
Remove contaminated clothing.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Do NOT use solvents or thinners.

Eye contact
Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Ingestion
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Keep at rest.
Do NOT induce vomiting.

Inhalation
Remove to fresh air, keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

Self-protection of the first aider
None.

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

None.

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

None.

SECTION 5: Firefighting measures

Flammable.
Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Suitable extinguishing media
Alcohol resistant foam, CO2, powders and water spray/mist.

Unsuitable extinguishing media
Water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.
Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Special protective equipment for firefighters
Cool closed containers exposed to fire with water.
Do not allow run-off from fire-fighting to enter drains or watercourses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area.
Avoid breathing vapours.
Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Environmental precautions	Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see Section 13).
Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

None.

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

Advices on safe handling	Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid skin and eye contact. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area. For personal protection see Section 8. Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses.
Advice on protection against fire and explosion	Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations, 2002, (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR.
Notes on joint storage	Store away from oxidizing agents, from strongly alkaline and strongly acid materials.
Additional information on storage conditions	Observe label precautions. Store between 5ºC and 25ºC in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. The principles contained in the HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances, should be observed when storing this product.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Limits for occupational exposure and/or biological limit values.

Chemical name	Physical state	LTEL – 8hr TWA		STEL – 15 min		Notes
		(ppm)	(mg/m³)	(ppm)	(mg/m³)	
n-butyl acetate		150	724	200	966	
butan-1-ol				50	154	Sk
2-methylpropan-1-ol		50	154	75	231	
n-methyl-2-pyrrolidone		10	40	20	80	Sk

LTEL - Long Term Exposure Limit, STEL - Short Term Exposure Limit, TWA - Time-Weighted Average.
ppm - parts per million by volume, mg/m³ - milligrams per cubic metre.
BMGV - Biological Monitoring Guidance Values are given in Table 2 of EH40/2005 Workplace exposure limits.
Carc - Capable of causing cancer and/or heritable genetic damage.
Sen - Capable of causing occupational asthma.
Sk - Can be absorbed through the skin. Dermal absorption may lead to systemic toxicity.

8.2. Exposure controls

8.2.1 Appropriate engineering controls

General advice Provide adequate ventilation.
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
If these are not sufficient to maintain concentrations of particles and solvent vapour below the OEL, suitable respiratory protection must be worn.

8.2.2 Personal protection equipment

Hand protection There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.
For prolonged or repeated handling, use Polyvinyl Alcohol (PVA) or Viton Rubber (FluorRubber).
The breakthrough time must be greater than the end use time of the product.
The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.
Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Always ensure that gloves are free from defects and that they are stored and used correctly.
The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.
Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Skin/Body protection Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

Eye/face protection Use safety eyewear designed to protect against splash of liquids.

Respiratory protection If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

8.2.3 Environmental exposure controls

General advice Do not allow to enter drains or watercourses.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance /Physical state Liquid

Colour Various

Odour Aromatic hydrocarbon; Slight alcohol

Odour threshold (Lower)	Not determined
Odour threshold (Upper)	Not determined
pH	Not determined
Melting point/freezing point (°C)	Not determined
Initial boiling point and boiling range (°C)	118 - 200
Flash point (°C)	24
Evaporation rate	Not determined
Flammability/explosive limits (Lower, %)	Not determined
Flammability/explosive limits (Higher, %)	Not determined
Vapour pressure	< 10 hPa 20.0
Vapour density (Air = 1)	Heavier than air
Relative density (g/ml)	0.95 - 1.20
Solubility(ies)	Miscible with organic solvents
Partition coefficient	Not determined
Auto-ignition temperature (°C)	> 360
Decomposition temperature (°C)	Not determined
Viscosity	2.0 poise
Explosive properties	May form explosive mixtures with air.
Oxidising properties	Not determined

9.2. Other Information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity — No data available.

10.2. Chemical stability

Stability — Stable under recommended storage and handling conditions (See Section 7).

10.3. Possibility of hazardous reactions

Hazardous reactions — Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

Conditions to avoid — When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

Materials to avoid — No data available.

10.6. Hazardous decomposition products

Decomposition products — Carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

There are no data available on the mixture itself.
The mixture has been assessed following the conventional method of the Classification, Labelling and Packaging of Substances and Mixtures Regulation (EC) No. 1272/2008, (CLP) and classified for toxicological hazards accordingly.
See Sections 2 and 3 for details.

11.1. Information on toxicological effects

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Solvents may cause some of the above effects by absorption through the skin.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhoea and vomiting.
This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

SECTION 12: Ecological information

There are no data available on the mixture itself.
Do not allow to enter drains or watercourses.

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

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

Advice on disposal	Do not allow to enter drains or watercourses.

The European List of Waste classification of this product, when disposed of as waste, is

Waste Code:	**Name of Waste (according to Commission Decision 2000/532/EC):**
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.
For further information contact your local waste authority.
Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.
Empty containers must be scrapped or reconditioned.
Dispose of containers contaminated by the product in accordance with local or national legal provisions.

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 (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

14.1. UN number

ADR/RID/ADN	1263
IMDG	1263
ICAO	1263

14.2. UN proper shipping name

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14.3. Transport hazard class(es)

ADR/RID/AND Class	3
ADR/RID/AND Class	Class 3: Flammable liquids.
ADR Label number	3

IMDG Class	3
ICAO Class/Division	3
Transport labels	

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO	III

14.5. Environmental hazards

Hazard	Environmentally Hazardous Substance/Marine Pollutant.

14.6. Special precautions for user

ADR Tunnel Restriction Code	(D/E)
IMDG EmS	F-E, S-E
IMDG Stowage Category	A

Always transport in closed containers that are upright and secure.
Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7. Transport in bulk according to Annex II of MARPOL3/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

The information in this Safety Data Sheet is required pursuant to:

- Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No. 1907/2006, (REACH).
- Classification, Labelling and Packaging of substances and mixtures, Regulation (EC) No. 1272/2008, (CLP).
- The Dangerous Substances and Explosive Atmospheres Regulations, 2002, (DSEAR).
- The Control of Substances Hazardous to Health Regulations, 2002, (COSHH).
- The Health and Safety at Work etc Act, 1974, (HSWA).

Approved Codes of Practice and Guidance notes relevant to this Safety Data Sheet:

- The European Chemicals Agency (ECHA) Guidance on the compilation of safety data sheets, Version 2.1.
- CEPE Guideline for Safety Data Sheets, 9th Edition.
- HSE Approved Code of Practice and Guidance, Dangerous Substances and Explosive Atmospheres.
- HSE guidance note, Chemical Warehousing: The Storage of Packaged Dangerous Substances.
- HSE publication, EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of Hazard Statements referred to in Section 3.	H226 : Flammable liquid and vapour. H302 : Harmful if swallowed. H304 : May be fatal if swallowed and enters airways. H312 : Harmful in contact with skin. H315 : Causes skin irritation. H318 : Causes serious eye damage. H319 : Causes serious eye irritation. H332 : Harmful if inhaled. H335 : May cause respiratory irritation. H336 : May cause drowsiness or dizziness. H360D : May damage the unborn child. H373 : May cause damage to organs through prolonged or repeated exposure. H411 : Toxic to aquatic life with long lasting effects. EUH066 : Repeated exposure may cause skin dryness or cracking.

Revision History
Revision date 09-Jun-2017

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.