

Spectrum SF Thinners X490



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 code : X490 SF Thinners

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

Use of the Substance/Mixture : Restricted to industrial and professional application only

1.3 Details of the supplier of the safety data sheet

Company : Meon Ltd
Railside Northharbour
Spur Portsmouth
PO6 3TU
0808 118 1922

1.4 Emergency telephone number

Mon-Fri (08:00-17:00) : 0808 118 1922
Out of office hours : 0808 118 1922

Section 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flammable Liquids, Category 3 : Aspiration H226 Flammable liquid and vapour.
Toxicity, Category 1 : Skin Irritation, Category 2 : skin irritation. H304 May be fatal if swallowed and enters airways. H315 Causes
Eye Damage, Category 1 : H318 Causes serious eye damage. H332 Harmful if
Acute Toxicity, Category 4 : inhaled.

Spectrum SF Thinners X490

Specific Target Organ Toxicity, Single Exposure, Category 3 Specific Target Organ Toxicity, Single Exposure, Category 3 Specific Target Organ Toxicity, Repeated Exposure, Category 2

2.2 Label elements

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

Hazard Pictograms:



Signal word	: Danger
Hazard statements	: H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	: 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. None.
Supplemental hazard information :	

2.3 Other hazards

Results of PBT and vPvB assessment

PBT	: Not applicable.
vPvB	: Not applicable.

Spectrum SF Thinners X490

Section 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Description of the mixture :

Hazardous components

Mixture of solvents and additives.

Chemical name	EC Number	CAS Number	REACH Registration Number	% [weight]	Classification [Regulation (EC) No. 1272/2008]
xylene	215-535-7	1330-20-7	01-2119488216-32	50%-99.9%	H226, H304, H312, H315, H319, H332, H335, H373
1-methoxy-2-propanol	203-539-1	107-98-2	01-2119457435-35	10%-25%	H226, H336
n-butanol	200-751-6	71-36-3	01-2119484630-38	10%-25%	H226, H302, H315, H318, H335, H336
ethylbenzene	202-849-4	100-41-4	01-2119489370-35	<9%	H225, H304, H332, H373
2-methoxypropanol	216-455-5	1589-47-5		0.1%-1.0%	H226, H315, H318, H335, H360D

Spectrum SF Thinners X490

Additional information :

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

Section 4: First aid measures

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.
If inhaled	: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
In case of 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.
If swallowed	: 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.
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

5.1 Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam, CO ₂ , 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.
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5.3 Advice for firefighters

	: Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses.
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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

- : 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

7.1 Precautions for safe handling

Spectrum SF Thinners X490

- Advice 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.
- : Vapours are heavier than air and may spread along floors.

Advice on protection against

fire and explosion

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 Additional information on storage conditions
- : Store away from oxidising agents, from strongly alkaline and strongly acid materials.
 - : Observe label precautions.
- Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight.

Spectrum SF Thinners X490

Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorised 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 - 15min		Notes
		ppm	mg/m ³	ppm	mg/m ³	
xylene		50	220	100	441	Sk, BMGV
1-methoxy-2-propanol		100	375	150	560	Sk
n-butanol				50	154	Sk
ethylbenzene		100	441	125	552	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 particules and solvent vapour below the OEL, suitable respiratory protection must be worn.

8.2.2 Personal protection equipment

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

Spectrum SF Thinners X490

Hand protection	:	<p>There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.</p> <p>For prolonged or repeated handling, use Polyvinyl Alcohol (PVA) or Viton Rubber (FluorRubber).</p> <p>The breakthrough time must be greater than the end use time of the product.</p> <p>The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.</p> <p>Gloves should be replaced regularly and if there is any sign of damage to the glove material.</p> <p>Always ensure that gloves are free from defects and that they are stored and used correctly.</p> <p>The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.</p> <p>Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.</p>
Eye protection	:	<p>Use safety eyewear designed to protect against splash of liquids.</p>
Skin protection	:	<p>Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.</p>

8.2.3 Environmental exposure controls

General advice	:	<p>Do not allow to enter drains or watercourses.</p>
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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance - Physical state	:	Liquid.
- Colour	:	Colourless.
Odour	:	Aromatic hydrocarbons.
Odour threshold - Lower	:	Not determined.
- Higher	:	Not determined.
pH	:	Not determined.
Melting point/freezing point (°C)	:	-39.3
Initial boiling point and boiling range (°C)	:	Flash point 118-140
(°C)	:	27
Evaporation rate	:	Not determined. Not
Flammability/explosive limits - Lower (%)	:	determined.

Spectrum SF Thinners X490

- Higher (%) :	Not determined.
Vapour pressure Vapour :	>0.6 kPa
density (air=1) Relative :	Heavier than air. 0.862
density (g/ml) Solubility(ies) :	Soluble in organic solvents. Not
Partition coefficient :	determined.
:	:
Auto-ignition temperature (°C) :	>287
Decomposition temperature (°C) Viscosity :	Not determined.
Explosive properties Oxidising :	Not determined.
properties :	May form explosive mixtures with air.
9.2 Other information :	Not determined.

None.

Section 10: Stability and reactivity

10.1 Reactivity	: No data available.
10.2 Chemical stability	: Stable under recommended storage and handling conditions. (See Section 7).
10.3 Possibility of hazardous reactions	: Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
	: When exposed to high temperatures may produce hazardous decomposition products.
10.4 Conditions to avoid	: No data available.
10.5 Incompatible materials	: Carbon monoxide and dioxide, smoke, oxides of nitrogen.
10.6 Hazardous decomposition products	

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.

Spectrum SF Thinners X490

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

13.1 Waste treatment methods

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

14.1 UN number

ADR/RID/ADN	:	1263
IMDG	:	1263
ICAO	:	1263

14.2 UN proper shipping name : PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

ADR/RID/ADN Class ADR/RID/ADN : 3
 Class : Class 3: Flammable liquids.
 ADR Label number IMDG : 3
 Class : 3
 ICAO Class/Division Transport labels : 3
 :



14.4 Packing group

ADR/RID/ADN
 IMDG : III
 ICAO : III

14.5 Environmental hazards

: III

14.6 Special precautions for user ADR

: None.

Tunnel Restriction Code IMDG EmS
 IMDG Stowage Category : (D/E)
 : F-E, S-E
 : 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 MARPOL73/78 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 :

Spectrum SF Thinners X490

- 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.

H225 : Highly flammable liquid and vapour. 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.

Revision history

Date	Version	Amendments
08/12/20	4.60	Changes to Section 3.2
10/12/18	4.50	Changes to Section 3.2, 16
01/12/16	4.00	Changes to Sections 2.1, 2.2, 3.2, 16

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