

Spectrum Advanced Thinners



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 Advanced Thinners

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

Identified Uses Consumer applications such as spray-gun cleaning.
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
Northharbour Spur
Portsmouth
PO6 3TU
+44 (0) 23 9220 0606
+44 (0) 23 9220 0707
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 Highly Flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Possible risk of harm to the unborn child. Danger of serious damage to health by prolonged exposure through inhalation.

Human Health Hazards Contains a group of substances which may impair fertility; may cause harm to the unborn child and may cause harm to breastfed babies.

2.2. Label Elements

Hazard pictograms



Risk phrase(s) R11 - Highly Flammable.
R20/21/22 - Harmful by inhalation and in contact with skin and if swallowed.
R36/38 - Irritating to eyes and skin.
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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Safety phrase(s)	R63 - Possible risk of harm to the unborn child. R68/20/21/22 - Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. S9 - Keep container in well-ventilated place. S16 - Keep away from sources of ignition – No Smoking. S24/25 - Avoid contact with skin and eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37 - Wear suitable protective clothing and gloves. S51 - Use only in well-ventilated areas. S60 - This material and its container must be disposed of as hazardous waste.
Hazardous component(s) for labeling	Xylene, Toluene & Methanol

2.3. Other hazards

Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous Component	Classification	%	CAS-No.	EC-No.
Xylene	R10 Xn; R20/21 Xi; R38	≤30%	1330-20-7	215-535-7
Toluene	F; R11 Rep. Cat 3; R63 Xn; R48/20, R65 Xi; R38 R67	≤30%	108-88-3	203-625-9
Methanol	F; R11 T; R23/24/25, R39/23/24/25	≤10%	67-56-1	200-659-6
Ethyl Acetate	F; R11 Xi; R36 R66 R67	≤10%	141-78-6	205-500-4
Acetone	F; R11 Xi; R36 R66 R67	≤60%	67-64-1	200-662-2
Isopropanol	F; R11 Xi; R36 R37	≤30%	67-63-0	200-661-7

Full text of R- phrases: see Section 16.

3.2. Mixtures

No data available.

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

Inhalation	Remove person to fresh air, keep warm and rest. If breathing has ceased or is failing, apply artificial respiration. Seek medical attention immediately.
Skin contact	Remove contaminated clothing and shoes. Wash the affected area with soap and water. Before re-use, contaminated clothing should be washed.
Eye contact	Irrigate eyes immediately with copious amounts of water for at least 15 minutes. If irritation persists obtain medical attention.
Ingestion	Do NOT induce vomiting. Obtain medical attention immediately.

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

No data available.

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

No data available.

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	Foam, carbon dioxide, dry chemicals or sand. Keep containers cool by spraying with water.
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Unsuitable extinguishing media

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Do not use water jets.

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5.2. Special hazards arising from the substance or mixture

Specific hazards This product may give rise to hazardous fumes in a fire. Vapours can travel a considerable distance to a source of ignition and flashback. The vapours are heavier than air and will collect in workpits and cellars, creating a fire and respiratory hazard. May form explosive mixtures with air.

5.3. Advice for firefighters

Advice for protective equipment Wear chemical suit and self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Splash goggles; protective overalls/suit; vapour respirator; boots & gloves. If there is significant airborne concentration then suitable breathing apparatus should be used to avoid inhalation of the product. Select appropriate protective clothing for the size of the spillage.

6.2. Environmental precautions

Environmental precautions Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Dispose of according to local regulations. Try to prevent the material from entering drains or water courses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up No additional information available.

6.4. Reference to other sections

Reference to other sections No reference to other sections.

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 on safe handling Keep away from heat.
Remove ignition sources.
Ground all equipment containing material.
Do not ingest.
Do not breathe gas/fumes/vapours/spray.
Wear suitable protective clothing.
If ingested, seek medical advice immediately and show the container or the label.
Keep away from incompatibilities such as oxidising agents & alkalis.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a segregated and approved area.
Keep container in a cool, well-ventilated area.
Keep container tightly closed and sealed until ready for use.
Avoid all possible sources of ignition (spark or flame)

7.3. Specific end use(s)

Specific end use(s) No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Name	Std	LT - ppm	LT – mg/m ³	ST - ppm	ST – mg/m ³
Xylene	WEL	50 ppm(Sk)	220 mg/m ³ (Sk)	100 ppm(Sk)	441 mg/m ³ (Sk)
Toluene	WEL	50 ppm(Sk)	191 mg/m ³ (Sk)	150 ppm(Sk)	574 mg/m ³ (Sk)
Methanol	WEL	200 ppm(Sk)	266 mg/m ³ (Sk)	250 ppm(Sk)	333 mg/m ³ (Sk)
Ethyl Acetate	WEL	200 ppm		400 ppm	
Acetone	WEL	500 ppm	1210 mg/m ³ (Sk)	1500 ppm	3620 mg/m ³ (Sk)
Isopropanol	WEL	400 ppm	999 mg/m ³ (Sk)	500 ppm	1250 m/gm ³ (Sk)

WEL = Work Exposure Limit

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8.2. Exposure controls

Process conditions	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.
Engineering Measures	Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.
Respiratory protection	Wear suitable respiratory protection.
Hands & Eyes protection	Full length gloves must be worn during all handling operations. Chemical goggles.
Skin & Body protection	Overalls or Lab coat.
Hygiene Measures	Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of the day.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid
Odour	Characteristic
Specific gravity (@ 20 °C)	Max 0.87 g/cm ³
pH value	5 - 9
Flash point (closed cup)	< 21 °C
Boiling range	40 - 150 °C
VOC content	~22 Kg
Water content	Max 2.5%
Flammability limit (upper)	7.0 %
Flammability limit (lower)	0.9 %

9.2. Other information

Other information	No data available
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No data available.
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10.2. Chemical stability

Stability	The product is stable under normal temperature conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No data available.
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10.4. Conditions to avoid

Conditions to avoid	No data available.
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10.5. Incompatible materials

Materials to avoid	No data available.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No data available.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

General Health	Possible reproductive impact. May cause severe internal injury. May cause unconsciousness, blindness and possibly death.
Route of entry	No evidence of carcinogenic properties. Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.
Skin irritation	Hazardous in case of skin contact (irritation)

11.1.2. Mixture

No information available.

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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Dangerous for the environment if discharged into watercourses.

12.1.1 Substances

No data available.

12.1.2. Mixtures

No data available.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

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

Waste treatment methods Any method of disposal must conform to any national or regional regulations that may be in force.
Used or contaminated product must be disposed of in accordance with local authority requirements.

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

UN number 1263

14.2. UN proper shipping name

UN shipping name

14.3. Transport hazard class(es)

Transport class



3.3

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmentally hazardous No data available

14.6. Special precautions for user

Hazard Warning Sign Flammable Liquid

Emergency Action Code 31(c)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Non-applicable

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SECTION 15: Regulatory information

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

Hazard symbol(s)



Risk phrase(s)

R11 - Highly Flammable.
R20/21/22 - Harmful by inhalation and in contact with skin and if swallowed.
R36/38 - Irritating to eyes and skin.
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 - Possible risk of harm to the unborn child.
R68/20/21/22 - Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Safety phrase(s)

S9 - Keep container in well-ventilated place.
S16 - Keep away from sources of ignition – No Smoking.
S24/25 - Avoid contact with skin and eyes.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 - Wear suitable protective clothing and gloves.
S51 - Use only in well-ventilated areas.
S60 - This material and its container must be disposed of as hazardous waste.

Contains

Xylene, Toluene & Methanol

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

EU Directives

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations 2001.

15.2. Chemical safety assessment

Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

SECTION 16: Other information

Only trained personnel should use this material.

The Safety Data Sheet is delivered on first purchase of a product, being sent once only, even when the product is resupplied on numerous subsequent occasions. The Safety Data Sheet is redelivered (without purchase of goods) whenever its contents have been substantially changed/revised; in addition to which a Safety Data Sheet can be delivered on special request via fax or by post.

Risk phrases in full

R10 - Flammable.
R11 - Highly Flammable.
R20/21 - Harmful by inhalation and in contact with skin.
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R36 - Irritating to eyes.
R38 - Irritating to skin.
R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63 - Possible risk of harm to the unborn child.
R65 - Harmful: may cause lung damage if swallowed.
R66 - Repeated exposure may cause skin dryness or cracking.
R67 - Vapours may cause drowsiness and dizziness.

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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.