



## SAFETY DATA SHEET

### VSPE POWER PLUS MULTISHOT

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Compilation date: 23/05/2016

Revision date: 18/11/2022

Revision No: 1d

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

##### 1.1. Product identifier

**Product name:** VSPE POWER PLUS MULTISHOT

**Product code:** 7917

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

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

**Company name:** Millers Oils Ltd  
Hillside Oilworks  
Rastrick Common  
Brighouse  
West Yorkshire  
HD6 3DP  
United Kingdom

**Tel:** +44 (0)1484 713201

**Fax:** +44 (0)1484 721263

**Email:** [h.s@millersoils.co.uk](mailto:h.s@millersoils.co.uk)

##### 1.4. Emergency telephone number

**Emergency tel:** NHS Direct +44 111

#### Section 2: Hazards identification

##### 2.1. Classification of the substance or mixture

**Classification under CLP:** Asp. Tox. 1: H304; Eye Dam. 1: H318; Repr. 1B: H360FD; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; STOT RE 2: H373

**Most important adverse effects:** May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye damage. May damage fertility. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

##### 2.2. Label elements

**Label elements:**

**Hazard statements:** H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

[cont...]

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H318: Causes serious eye damage.

H360FD: May damage fertility. 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.

**Hazard pictograms:** GHS05: Corrosion

GHS08: Health hazard

GHS09: Environmental

GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P302+352: IF ON SKIN: Wash with plenty of water/.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

2-ETHYLHEXANOL - REACH registered number(s): 01-2119487289-20-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-234-3	104-76-7	-	Acute Tox. 4: H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335	10-30%

POTASSIUM 1,2-BIS(2-ETHYLHEXYLOXYCARBONYL)-ETHANESULPHONATE

231-308-5	7491-09-0	-	Skin Irrit. 2: H315; Eye Dam. 1: H318	1-10%
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HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE - REACH registered number(s): 01-2119463583-34-XXXX

918-811-1	64742-94-5	-	Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411; -: EUH066	1-10%
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[cont...]

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AMIDES, C16-18 AND C18-UNSATD.,N,N-BIS(HYDROXYETHYL) - REACH registered number(s): 01-2119951823-33

271-653-9	68603-38-3	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411	1-10%
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SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC

918-811-1	64742-94-5	-	STOT SE 3: H336; Asp. Tox. 1: H304; Aquatic Chronic 2: H411	1-10%
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REACTION MASS OF 2,6-DI-TERT-BUTYLPHENOL AND 2,4,6-TRI-TERT-BUTYLPHENOL - REACH registered number(s): 01-2119538013-51

204-884-0	128-39-2	-	Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	1-10%
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SUBSTITUTED CARBOXYLIC ACID

-	-	-	Aquatic Chronic 3: H412; Eye Irrit. 2: H319	1-10%
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HYDROCARBON, C10-C13, N-ALKANES, ISOALKANES, CYCLICS, AROMATICS (2-25%)

919-164-8	-	-	Aquatic Chronic 3: H412; STOT RE 1: H372; STOT RE 2: H373; Asp. Tox. 1: H304	1-10%
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HYDROCARBONS, C10, AROMATICS, >1% NAPHTHALENE - REACH registered number(s): 01-2119463588-24

919-284-0	64742-94-5	-	Asp. Tox. 1: H304; Carc. 2: H351; STOT SE 3: H336; Aquatic Chronic 2: H411; -: EUH066	1-10%
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DICYCLOPENTADIENYL IRON

203-039-3	102-54-5	-	Flam. Sol. 2: H228; Acute Tox. 4: H302; Repr. 1B: H360FD; STOT RE 2: H373; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Aquatic Chronic 2: H411; Acute Tox. 4: H332	<1%
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NAPHTHALENE

202-049-5	91-20-3	-	Carc. 2: H351; Acute Tox. 4: H302; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be coughing and a sore throat.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises. Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Carbon dioxide. Alcohol resistant foam. Dry chemical powder.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

[cont...]

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### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** To be used as a hard surface cleaner.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**Hazardous ingredients:**

#### 2-ETHYLHEXANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	106.4 mg/m3	Workers	Local
DNEL	Dermal	23 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	53.2 mg/m3	Workers	Systemic
DNEL	Inhalation	53.2 mg/m3	Consumers	Local
DNEL	Dermal	11.4 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	2.3 mg/m3	Consumers	Systemic
DNEL	Oral	1.1 mg/kg bw/day	Consumers	Systemic

#### POTASSIUM 1,2-BIS(2-ETHYLHEXYLOXYCARBONYL)-ETHANESULPHONATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	18.75 mg/kg bw/day	-	Systemic
DNEL	Inhalation	132.2 mgm3	-	Systemic
PNEC	Fresh water	0.0066 mg/l	-	-
PNEC	Marine water	0.00066 mg/l	-	-
PNEC	Microorganisms in sewage treatment	122 mg/l	-	-
PNEC	Fresh water sediments	0.525 mg/kg	-	-
PNEC	Marine sediments	0.0525 mg/kg	-	-
PNEC	Soil (agricultural)	0.101 mg/kg	-	-

#### HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	12.5 mg/kg bw/day	Workers	Systemic

[cont...]

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DNEL	Inhalation	151 mg/m3	Workers	Systemic
DNEL	Dermal (developmental tox)	7.5 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation (developmental tox)	32 mg/m3	Consumers	Systemic
DNEL	Oral (developmental tox)	7.5 mg/kg bw/day	Consumers	Systemic

### AMIDES, C16-18 AND C18-UNSATD.,N,N-BIS(HYDROXYETHYL)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	73 mg/m3	Workers	Systemic
DNEL	Dermal	4.16 mg/m3	Workers	Systemic
DNEL	Inhalation	21.73 mg/kg bw/day	Consumers	Systemic
DNEL	Dermal	2.5 mg/kg bw/day	Consumers	Systemic
DNEL	Oral	6.25 mg/kg bw/day	Consumers	Systemic
PNEC	Fresh water	0.007 mg/l	-	-
PNEC	Fresh water sediments	0.973 mg/kg dw	-	-
PNEC	Marine water	0.0007 mg/l	-	-
PNEC	Marine sediments	0.0973 mg/kg dw	-	-
PNEC	Microorganisms in sewage treatment	830000 mg/l	-	-
PNEC	Soil (agricultural)	0.038 mg/kg dw	-	-

### REACTION MASS OF 2,6-DI-TERT-BUTYLPHENOL AND 2,4,6-TRI-TERT-BUTYLPHENOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal	0.5 mg/kg bw/day	Workers	-
DNEL	Inhalation	3.5 mg/m3	Workers	-
PNEC	Fresh water	0.3ug/l	-	-
PNEC	Marine water	0.3 ug/l	-	-
PNEC	Fresh water sediments	0.09 mg/kg dw	-	-
PNEC	Marine sediments	0.009 mg/kg dw	-	-
PNEC	Soil (agricultural)	0.044 mg/kg dw	-	-
PNEC	Microorganisms in sewage treatment	2.4 mg/l	-	-

### HYDROCARBONS, C10, AROMATICS, >1% NAPHTHALENE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	12.5 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	151 mg/m3	Workers	Systemic
DNEL	Dermal	7.5 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	32 mg/m3	Consumers	Systemic
DNEL	Oral	7.5 mg/kg bw/day	Consumers	Systemic
DNEL	Dermal	12.5 mg/kg bw/day	Workers	Systemic

[cont...]

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DNEL	Inhalation	151 mg/m3	Workers	Systemic
DNEL	Dermal	7.5 mg/kg bw/day	Consumers	Systemic
DNEL	Inhalation	32 mg/m3	Consumers	Systemic
DNEL	Oral	7.5 mg/kg bw/day	Consumers	Systemic

### NAPHTHALENE

Type	Exposure	Value	Population	Effect
DNEL	Dermal (developmental tox)	3.57 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (developmental tox)	25 mg/m3	Workers	Systemic
DNEL	Inhalation (developmental tox)	25 mg/m3	Workers	Local

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Odour:** Characteristic odour

**Viscosity:** Non-viscous

**Kinematic viscosity:** 13.7 cSt

**Flash point°C:** 60 - 93

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

[cont...]

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### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### 2-ETHYLHEXANOL

DERMAL	RBT	LD50	1970	mg/kg
ORAL	RAT	LD50	3730	mg/kg

#### HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

DERMAL	RBT	LD50	2000	mg/kg
VAPOURS	RAT	4H LC50	>590	mg/m3

#### AMIDES, C16-18 AND C18-UNSATD.,N,N-BIS(HYDROXYETHYL)

ORAL	RAT	LD50	> 3000	mg/kg
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#### HYDROCARBONS, C10, AROMATICS, >1% NAPHTHALENE

DERMAL	RBT	LD50	2000	mg/kg
VAPOURS	RAT	4H LC50	>590	mg/m3

#### NAPHTHALENE

ORL	MUS	LD50	316	mg/kg
ORL	RAT	LD50	490	mg/kg
SKN	RAT	LD50	>2500	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated
STOT-repeated exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely.

[cont...]



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**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be coughing and a sore throat.

### Section 12: Ecological information

#### 12.1. Toxicity

**Hazardous ingredients:**

##### 2-ETHYLHEXANOL

ALGAE	72H ErC50	11.5	mg/l
DAPHNIA	48H EC50	39	mg/l
FISH	96H LC50	10-33	mg/l

##### HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

ALGAE	72H ErC50	1-3	mg/l
DAPHNIA	48H EC50	3-10	mg/l
FISH	96H LC50	2-5	mg/l

##### AMIDES, C16-18 AND C18-UNSATD.,N,N-BIS(HYDROXYETHYL)

DAPHNIA	48H EC50	1-10	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	1-10	mg/l

##### REACTION MASS OF 2,6-DI-TERT-BUTYLPHENOL AND 2,4,6-TRI-TERT-BUTYLPHENOL

ALGAE	72H ErC50	4.9	mg/l
DAPHNIA	48H EC50	0.4	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	0.3	mg/l

##### HYDROCARBONS, C10, AROMATICS, >1% NAPHTHALENE

ALGAE	72H ErC50	1-3	mg/l
DAPHNIA	48H EC50	3-10	mg/l
FISH	96H LC50	2-5	mg/l

#### 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.

[cont...]

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**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN3082

**14.2. UN proper shipping name**

**Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Hydrocarbons C10, Aromatics, <1% Naphthalene, [Solvent naphtha (petroleum), heavy aromatic])

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

**Transport class:** 9

**14.4. Packing group**

**Packing group:** III

**14.5. Environmental hazards**

**Environmentally hazardous:** Yes

**Marine pollutant:** Yes

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** E

**Section 15: Regulatory information**

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

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

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**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.

H228: Flammable solid.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

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.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H360FD: May damage fertility. May damage the unborn child.

H372: Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

