



# Safety Data Sheet

Magic Bullet Fuel Treatments Ltd  
15 Ferguson Drive  
Knockmorehill Industrial Estate  
Lisburn  
Co. Antrim  
BT28 2EX  
Telephone: 00 44 28 9266 6123  
Fax: 028 9267 1284

Version 1.1 July 2014

## Magic Bullet Top Cat Diesel

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product description: Cerium dioxide based fuel additive package.

Trade Name: Magic Bullet Top Cat Diesel

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

Identified use(s): Additive for Diesel fuel.

Uses advised against: Follow supplier's recommendations on correct use of the product.

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

Magic Bullet Fuel Treatments Ltd  
15 Ferguson Drive  
Knockmorehill Industrial Estate  
Lisburn  
BT28 2EX  
UK

Telephone: +44 (0) 2892 666123  
Fax: +44 (0) 2892 671284  
Email: globaloil@btconnect.com

1.4 Emergency Telephone Number: (24 hour) +44 (0) 7710 571509 (Worldwide)

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

Harmful; Xn; R65  
R66  
R52/53

#### 2.2 Label elements

Hazard symbol(s):



HARMFUL

Risk phrase(s):  
R65 May cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R52/53 Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.



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<b>Safety Phrase(s):</b>	S24/25	Avoid contact with skin and eyes.
	S33	Take precautionary measures against static discharges.
	S36/37	Wear suitable protective clothing and gloves.
	S60	This material and its container must be disposed of as hazardous waste.
	S61	Avoid release to the environment. Refer to special instructions/Safety Data Sheets.
	S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### 2.3 Other Hazards

Physical & Chemical Hazards      Vapours are heavier than air and have a potential for accumulation in low lying areas.  
The product has the potential for static discharge leading to the possibility of fire.

Health Hazards                              Contains 3,6,9-triazaundeca-methylenediamine. May produce an allergic reaction.

Not a PBT or vPvB mixture.

## 3. Composition/Information on Ingredients

### 3.2 Mixtures

Chemical Name	CAS-No	EC-No	%	CHIP Classification	CLP Classification
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics* REACH: 01-2119456620-43-xxxx	-	926-141-6	75-95	Xn; R65 R66	Asp. Tox. 1; H304 EUH066
Solvent naphtha (petroleum), heavy arom. REACH: 01-2119463588-24-xxxx	64742-94-5	265-198-5	1-5	Xn; R65 Xi; R38 R67 N; R51/53	Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411
Naphthalene	91-20-3	202-049-5	0-1	Xn; R22 Carc. Cat. 3; R40 N; R50/53	Acute Tox. 4; H302 Carc. 2; H351 (inhalation) Aquatic Acute 1; H400 Aquatic Chronic 1; H410
1,2,4-Trimethylbenzene	95-63-6	202-436-9	0-1	R10 Xn; R20 Xi; R36/37/38 Xn; R65 N; R51/53	Flam. Liquid 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Chronic 2; H411
3,6,9-triazaundeca-methylenediamine REACH: 01-2119487290-37-xxxx	112-57-2	203-986-2	0-0.5	Xn; R21/22 C; R34 Xi; R43 N; R51-53	Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 2;



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Chemical Name	CAS-No	EC-No	%	CHIP Classification	CLP Classification
					H411
Mesitylene	108-67-8	203-604-4	0-0.5	R10 Xi; R36/37/38 Xn; R65 N; R51/53	Flam. Liquid 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Aquatic Chronic 2; H411

\*Total aromatic content: <0.03%

### 4. First Aid Measures

#### 4.1 Description of first aid measures

Inhalation:	Remove patient to fresh air. Obtain immediate medical attention if there are any signs/symptoms of difficulty in breathing.
Skin contact:	After contact with skin wash immediately with cool clean running water for at least 5 minutes. Obtain medical attention if skin is damaged or a rash develops. Wash all contaminated protective clothing before re-use.
Eye contact:	Immediately flush eyes with cool clean running water for at least 15 minutes, occasionally lifting the upper and lower eye lids. Obtain medical attention if stinging, watering or tear formation persists.
Ingestion:	If swallowed do not induce vomiting, obtain immediate medical attention and show the container / label / Safety Data Sheet.  If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

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

Skin contact may cause slight irritation and redness. Repeated exposure may cause skin dryness or cracking. Eye contact may cause slight irritation, watering, redness and pain. Inhalation of high concentrations of vapour may cause drowsiness or dizziness. If swallowed, aspiration into lungs may result in chemical pneumonia.

#### 4.3 Indication of any immediate medical attention and special treatments needed

In case of accident or if you feel unwell, seek medical advice immediately. If swallowed, patient should be monitored for signs of breathing difficulty as effects of aspiration may be delayed for up to 48 hours. If breathing is laboured, oxygen should be administered by qualified personnel.

### 5. Fire-Fighting Measures

#### 5.1 Extinguishing media



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Suitable extinguishing media: Fight fire with foam, dry powder. Use water spray to cool containers exposed to heat.

Extinguishing media which should not be used: Do not use water jet.

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

Flash Point: > 65°C (estimated)

Explosion / Flammable limits: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics: 0.5% - 6.0%  
Solvent naphtha (petroleum), heavy arom.: 0.6% - 7.0%

Auto ignition temperature: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics: > 230°C

Combustible liquid and vapour: Vapour may form explosive mixture with air. The vapours are heavier than air, spread along the ground and may be re-ignited by remote sources of ignition. May decompose violently when heated above 100°C in a closed vessel due to sudden pressure increase; container may explode. Fight any fire from a protected location and at a suitable distance away from any containers. Material will float and may re-ignite on surface water.

Material is capable of accumulating static charges which may produce a spark ignition source.

### 5.3 Advice for fire-fighters

Wear suitable fire-retardant suits equipped with self-contained breathing apparatus (SCBA) operated in positive pressure mode to prevent inhalation exposure to combustion products.

Keep fire-exposed containers cool by spraying with water. Do not allow to enter drains, sewers or watercourses.

## 6. Accidental Release Measures

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

**Non-emergency personnel** Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapours. Wear suitable personal protective equipment. Wear appropriate respirator when ventilation is inadequate. (See section 8).

**Emergency responders** Keep unnecessary personnel away. Wear suitable protective clothing (See Section 8). Contaminated clothing should be thoroughly cleaned.

**6.2 Environmental precautions** Any material entering watercourses, sewers, drains or contaminating soil or vegetation should be notified to the local authorities. For guidance on disposal see Section 13 of this Safety Data Sheet.



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### LAND

Contain any spillage with appropriate absorbent material and prevent entry into natural watercourses, sewers and drains using a bund.

### WATER

Confine spill if possible using booms.

### 6.3 Methods and materials for containment and clearing up

Wear appropriate PPE during clean-up operation as described in Section 8.

### LAND

Pick up spillage using appropriate pump, if available, or following addition of inert absorbent (soil, sand, etc.) a shovel. Remove all contaminated material and place in a suitably labelled container fitted with a lid and then dispose of safely. Do not flush residual material away with water.

### WATER:

Remove spill from the water surface by skimming or with suitable absorbents and place in a labelled container fitted with a lid for disposal. Contact local authorities and environmental agencies immediately.

### 6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for waste disposal.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Material may accumulate static charge which may cause an electrical spark. Use proper earthing procedures when transferring material. Avoid handling material at temperatures above its flash point as flammable / explosive vapour-air mixtures can form.

Avoid inhalation of vapours and fumes during handling. Handle material in well ventilated areas. Provide adequate ventilation, including local extraction, to ensure occupational exposure control parameters are not exceeded. Avoid contact with skin and eyes. Wear suitable personal protective equipment (See Section 8). Open containers slowly in order to control any possible pressure release. Use in a bunded area to prevent environmental release wherever possible.

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated clothing should be thoroughly cleaned or disposed of as hazardous waste. Avoid release to the environment.

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

Keep container tightly closed in a dry and well-ventilated area away from direct sunlight, sources of heat or ignition when not in use. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Empty containers retain product residue and can be hazardous. To prevent potential environmental releases store in a bunded area.



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Avoid storing alongside strong oxidising agent.

### 7.3 Specific end uses(s)

Magic Bullet Top Cat Diesel is pre-mixed with diesel fuel. It can be added directly to the fuel tank during fuel filling.

## 8. Exposure Control/Personal Protection

### 8.1 Control parameters

Component	CAS-No	Type/Form of Exposure	Control Value	Basis for recommendation
Trimethylbenzenes, all isomers or mixtures	25551-13-7	TWA (8-h)	25 ppm 125 mg/m <sup>3</sup>	EH40/2005 WEL
Naphthalene	91-20-3	TWA (8-h)	10 ppm 30 mg/m <sup>3</sup>	91/322/EEC, ILV
1,2,4-Trimethylbenzene	95-63-6	TWA (8-h)	20 ppm 100 mg/m <sup>3</sup>	2000/39/EC, IOELV
Mesitylene (trimethylbenzenes)	108-67-8	TWA (8-h)	20 ppm 100 mg/m <sup>3</sup>	2000/39/EC, IOELV
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	TWA (8-h)	1200 mg/m <sup>3</sup>	Supplier OEL

### DNELs (Workers)

Substance	Route	Acute/short-term exposure		Long-term exposure	
		Systemic effects	Local effects	Systemic effects	Local effects
Naphthalene	Inhalation	-	-	25 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>
	Dermal	-	-	3.57 mg/kg bw/day	-
1,2,4-Trimethylbenzene	Inhalation	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>
	Dermal	-	-	16171 mg/kg bw/day	-
3,6,9-triazaundecamethylene-diamine	Inhalation	6940 mg/m <sup>3</sup>	-	1.29 mg/m <sup>3</sup>	-
	Dermal	-	-	0.74 mg/kg bw/day	36 µg/cm <sup>2</sup>
Mesitylene	Inhalation	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>
	Dermal	-	-	16171 mg/kg bw/day	-

### PNECs



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Substance	Aqua (fresh water)	Aqua (marine water)	Aqua (intermittent releases)	Sewage Treatment Plants	Sediment (fresh water)	Sediment (marine water)	Soil	Oral
Naphthalene	2.4 µg/L	2.4 µg/L	20 µg/L	2.9 mg/L	67.2 µg/kg sediment dw	67.2 µg/kg sediment dw	53.3 µg/kg soil dw	-
1,2,4-Trimethylbenzene	0.12 mg/L	0.12 mg/L	0.12 mg/L	2.41 mg/L	13.56 mg/kg sediment dw	13.56 mg/kg sediment dw	2.34 mg/kg soil dw	-
3,6,9-triazaundecamethylenediamine	6.8 µg/L	6.8 µg/L	68 µg/L	9.73 mg/L	3.43 mg/kg sediment dw	0.343 mg/kg sediment dw	0.683 mg/kg soil dw	0.23 mg/kg food
Mesitylene	0.101 mg/L	0.101 mg/L	0.101 mg/L	2.02 mg/L	7.86 mg/kg sediment dw	7.86 mg/kg sediment dw	1.34 mg/kg soil dw	-

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

##### Engineering measures

Always ensure adequate ventilation when handling this product. Use Local Exhaust Ventilation (LEV) or a fume cupboard wherever possible to ensure worker exposure to airborne contaminants is below any recommended or statutory limits.

#### 8.2.2 Personal protection

##### Respiratory:

An appropriate combination of mask and filter suitable for organic gases and vapours (boiling point >65°C (150°F) according to EN141:2002 should be worn.

##### Hand protection:

Use protective gloves according to EN 374:2003 to prevent skin contact with liquid. Vitron is a suitable material of construction.

##### Eye protection:

Use goggles or safety glasses with side shields to prevent accidental splashes to eyes.

##### Skin protection:

Wear suitable impervious protective clothing including apron and boots or a full protective suit if handling large quantities. Wash hands, forearms and face after handling and at the end of the work shift.

##### Hygiene measures

Good occupational hygiene practice is required during and after handling the product.

#### 8.2.3 Environmental exposure controls

Material should be stored and used in bunded areas to contain any potential environmental release. Releases from workplace operations may need to be scrubbed or filtered to reduce emissions to the environment.



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### 9. Physical and Chemical Properties

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

Appearance:	Clear to yellow liquid.
Odour:	Petroleum.
Odour threshold:	Not available.
pH:	Not applicable.
Melting/freezing point:	Not available.
Initial boiling point and boiling range:	168 – 246°C (estimated)
Flash point:	> 65°C (estimated)
Evaporation rate:	Not available.
Flammability (solid; gas):	Not applicable.
Upper/lower flammability explosive limits:	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, or <2% aromatics: 0.5% - 6.0% Solvent naphtha (petroleum), heavy arom.: 0.6% - 7.0%
Vapour pressure:	< 0.2 mbar (@ 20°C)
Vapour density:	> 1 (estimated)
Relative density:	< 1 (Water = 1) (estimated)
Solubility(ies):	Immiscible in water.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics: > 230°C
Decomposition temperature:	Not available.
Viscosity:	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics: 1.9 mm <sup>2</sup> /s (40°C)
Explosive properties:	Not explosive. Vapour may form explosive mixture in air.
Oxidising properties:	Not oxidising.

#### 9.2 Other information

None.

### 10. Stability and Reactivity

10.1 Reactivity	Reacts with oxidising agents.
10.2 Chemical stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions expected during normal use.
10.4 Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Do not store in direct sunlight.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	Combustion may liberate toxic fumes: Carbon monoxide, carbon dioxide, various hydrocarbons.

### 11. Toxicological Information

#### 11.1 Information on toxicological effects





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No specific toxicological testing has been conducted on the product. The hazard assessment is based on experience and knowledge of toxicological profiles of all ingredients.

**Toxicokinetics** Organic ingredients may be absorbed through the skin. May cause significant adverse systemic effects – chemical pneumonitis – if swallowed. Dermal absorption may be a significant route of exposure.

**Acute toxicity** May cause discomfort if swallowed.

The following data are for the product components:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics:  
LD50 (oral/rat): > 5,000 mg/kg (read across from MRD-77-10)  
LD50 (dermal/rabbit): > 5000 mg/kg (read across from MRD-92-405)  
LC50 (inhalation/rat): > 4951 mg/m<sup>3</sup> air (analytical) (read across from MRD-00-586)

**Skin corrosion/irritation** Not classified. May cause slight skin irritation.

**Serious eye damage/irritation** Not classified. May cause slight eye irritation.

**Skin sensitisation** Not classified, but contains 3,6,9-triazaundeca-methylenediamine in a concentration below the classification threshold. May produce an allergic reaction.

**Respiratory sensitisation** Not classified. The product does not contain substances classified as respiratory sensitisers above the classification thresholds.

**Germ cell mutagenicity** Not classified. The product does not contain substances classified as mutagenic above the classification thresholds.

**Carcinogenicity** Not classified. The product does not contain substances classified as carcinogenic above the classification thresholds. Contains naphthalene, carcinogen category 2, in concentration below the classification threshold.

**Reproductive toxicity** Not classified. The product does not contain substances classified as reproductive toxins above the classification thresholds.

**Specific Target Organ Toxicity – single exposure** Not classified. The product does not contain substances classified as causing specific target organ toxicity through a single exposure above the classification thresholds.

**Specific Target Organ Toxicity – repeated exposure** Not classified. The product does not contain substances classified as causing specific target organ toxicity through repeated exposure above the classification thresholds.

**Aspiration hazard** May be fatal if swallowed and enters airways. Risk of aspiration into lungs resulting in chemical pneumonia.



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### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of high concentrations of vapour may cause drowsiness or dizziness.
<b>Skin contact</b>	may cause slight skin irritation.
<b>Eye contact</b>	May cause slight eye irritation.
<b>Ingestion</b>	May be fatal if swallowed and enters airways. Risk of aspiration into lungs resulting in chemical pneumonia.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Skin contact may cause slight irritation and redness. Repeated exposure may cause skin dryness or cracking. Eye contact may cause slight irritation, watering, redness and pain. Inhalation of high concentrations of vapour may cause drowsiness or dizziness. If swallowed, aspiration into lungs may result in chemical pneumonia.
<b>Mixture versus substance Information</b>	No data available.
<b>Other information</b>	None.

### 12. Ecological Information

No specific toxicological testing has been conducted on the product. The hazard assessment is based on experience and knowledge of toxicological profiles of all ingredients.

**12.1 Ecotoxicity** Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

The following data are for the product components:

Naphthalene:

LC50 (Pimephales promelas): 6.08 mg/L, 96 h

LC50 (Fathead minnow): 7.9 mg/L 96 h

LC50 (Rainbow trout): 1.6 mg/L 96 h

LC50 (Oncorhynchus kisutch): 2.1 mg/L 96 h

EC50 (Daphnia Magna): 2.16 mg/L 48 h

NOEC (Oncorhynchus kisutch): 0.37 mg/L 40 days

NOEC (Daphnia Pulex): 0.59 mg/L 125 days

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics:

LL50 (Oncorhynchus mykiss): > 1000 mg/L, 96h (WAF)

LL0 (Oncorhynchus mykiss): 1000 mg/L, 96h (WAF)

NOEL (Freshwater fish): 0.173 mg/L based on growth, 28 days (estimated – PETROTOX QSAR model)

Solvent naphtha (petroleum), heavy arom.:

NOEL (Oncorhynchus mykiss): 2.0 mg/l, 96h (WAF)

Kerosine (petroleum), hydrodesulfurised – similar to Solvent naphtha (petroleum), heavy arom.:

EL50 (Daphnia Magna): 1.4 mg/L, 48h (WAF)



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NOEL (Daphnia Magna): 0.48 mg/L, 21 days (WAF)  
LOEL (Daphnia Magna): 1.2 mg/L, 21 days (WAF)  
EL50 (Daphnia Magna): 0.89 mg/L, 21 days (WAF) (reproduction)

### 12.2 Persistence and Degradability

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics:  
Readily biodegradable.  
Degradation 69% (28 days).

Solvent naphtha (petroleum), heavy arom.:  
Inherently biodegradable.

The organic ingredients are expected to be biodegradable. The hydrocarbon will also undergo oxidation reactions in air. Abiotic processes of transformation are unlikely to be significant. During use the organic ingredients will be combusted within the diesel engine.

### 12.3 Bioaccumulation potential

Accidentally released product may accumulate in biota due to the organic ingredients.

### 12.4 Results of PBT and vPvB Assessment

The product does not contain substances assessed to be PBT (Persistent Bioaccumulative and Toxic) or vPvB (very Persistent, very Bioaccumulative).

### 12.6 Other adverse effects

None known (not expected to be either an ozone depleter, POP (Persistent Organic Pollutant) or endocrine disrupter).

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Disposal must be in accordance with local and national laws and regulations applicable at the time of disposal.

### Recommendations

Any surplus product may be incinerated at a licensed facility where high temperature incineration may prevent formation of any hazardous combustion products. Do not wash to drain or landfill.

Packaging (drums) should be thoroughly drained and either cleaned before re-use or disposed of by a specialist contractor. Drum residues may form flammable or explosive mixtures if heated above flash point. Do not puncture, cut or weld uncleaned drums.

## 14. Transport Information

Land (RID/ADR: Road/Rail)

14.1 UN Number	Not classified.
14.2 Proper shipping name	-
14.3 Transport hazard class(es)	-
14.4 Packing group	-
14.5 Environmental hazards	-
14.6 Special precautions for the user	-
Tunnel restriction code	-



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Hazard Identification No: -

### Sea (IMO-IMDG)

**14.1 UN Number** Not classified.  
**14.2 Proper shipping name** -  
**14.3 Transport hazard class(es)** -  
**14.4 Packing group** -  
**14.5 Environmental hazards** -  
**14.6 Special precautions for the user** -  
**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** Not intended to be transported in bulk.

### Air (IATA/ICAO)

**14.1 UN Number** Not classified.  
**14.2 Proper shipping name** -  
**14.3 Transport hazard class(es)** -  
**14.4 Packing group** -  
**14.5 Environmental hazards** -  
**14.6 Special precautions for the user** -

*Transport classification may vary by container volume and may be influenced by regional regulations*

## 15. Regulatory Information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Directive 67/548/EEC & Directive 1999/45/EC.

**15.2 Chemical Safety Assessment (CSA)** A CSA has not been carried out on this product.

## 16. Other Information

### Full text of relevant R- and S- phrases:

R10 Flammable.  
R20 Harmful by inhalation.  
R21/22 Harmful in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R38 Irritating to skin.  
R40 Limited evidence of a carcinogenic effect.  
R43 May cause sensitisation by skin contact.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53 Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.



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- S24/25 Avoid contact with skin and eyes.  
S33 Take precautionary measures against static discharges.  
S36/37 Wear suitable protective clothing and gloves.  
S60 This material and its container must be disposed of as hazardous waste.  
S61 Avoid release to the environment. Refer to special instructions/Safety Data Sheets.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

### Training Advice

Instructions regarding use and handling of Magic Bullet Top Cat Diesel must be followed.

### Recommended restrictions on Use

Magic Bullet Top Cat Diesel is a diesel fuel additive and should not be used for any other applications.

### Further Information

Contact: [www.addthemagicbullet.com](http://www.addthemagicbullet.com)

### Sources of Key Data used to compile the SDS:

Supplier's Safety Data Sheets for ingredients  
ECHA REACH dossiers  
Approved Classification and Labelling Guide (6th Edition)  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009  
Regulation (EC) No. 1272/2008 of the European Parliament and of the council.

### Abbreviations:

CAS: Chemical Abstracts Service  
CSA: Chemical Safety Assessment  
EC50: Effective Concentration 50%  
IARC: International Agency for Research on Cancer  
LC50: Lethal Concentration 50%  
LD50: Lethal Dose 50%  
LEL: Lower Explosive Limit  
LOAEL: Lowest Observed Adverse Effect Level  
PBT: Persistent, Bioaccumulative and Toxic.  
TWA: Time Weighted Average  
STEL: Short Term Exposure Limit  
vPvB: Very Persistent and Very Bioaccumulative.  
UEL: Upper Explosive Limit

### SDS History:

Not available

### Disclaimer:

The technical information provided in this SDS should only be used for the purposes of assessing hazards, with respect to health, safety or the environment. It should not be used as a technical specification or for engineering calculations. Magic Bullet Fuel Treatments Ltd reserves the right to amend its product specifications at any time without notice. The information contained herein is accurate to the best knowledge and belief of Magic Bullet Fuel Treatments Ltd and is intended to describe the product for the purposes of health, safety and environmental requirements only. It is not intended and should not be construed as a warranty. Consult Magic Bullet Fuel Treatments NI Ltd for further information.