

SAFETY DATA SHEET
according to Regulation (EC) No. 2015/830
Diesel Injector Cleaner Fuel Treatment: PMDTIC

SECTION 1: Identification of the substance/mixture and the company

1.1. Product identifier

Product name Diesel Injector Cleaner Fuel Treatment: PMDTIC

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

Identified uses Fuel additive.

1.3. Details of the supplier of the safety data sheet

Supplier Power Maxed
 3B Wellington Rd
 Waterloo Park
 Bidford Upon Avon
 Warwickshire
 United Kingdom
 B50 4JH
 T+44 (0) 1789 330668
 info@powermaxed.com

1.4. Emergency telephone number

Emergency telephone +44 (0)1789 330668 During usual office hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified
 Health hazards Acute Tox. 4 - H312 Asp. Tox. 1 - H304
 Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xn;R65. R66.

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.
 H312 Harmful in contact with skin.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
 P262 Do not get in eyes, on skin, or on clothing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.

Supplemental label information

RCH002b For professional users only.

Contains

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED

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2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED	60-100%
CAS number: 64742-47-8	EC number: 265-149-8
	REACH registration number: 01-2119484819-18

Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65
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2-ethylhexyl nitrate	10-30%
CAS number: 27247-96-7	EC number: 248-363-6
	REACH registration number: 01-2119539586-27-XXXX

Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Aquatic Chronic 2 - H411

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Remove affected person from source of contamination. Provide rest, warmth and fresh air. General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Rinse nose, mouth and throat with water. If breathing stops, provide artificial respiration.
Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Keep affected person warm and at rest.
Skin contact	Take off immediately all contaminated clothing and wash it before reuse. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Skin disorders and allergies. General respiratory distress, unproductive cough.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

SECTION 5: Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish. Water spray, fog or mist. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards May ignite at high temperature.
 Hazardous combustion products In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

5.3. Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Avoid breathing fire gases or vapours. Use water SPRAY only to cool containers! Do not put water on leaked material. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Keep unnecessary and unprotected personnel away from the spillage. Wear chemical protective suit.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all sources of ignition. Keep unnecessary and unprotected personnel away from the spillage. Take care as floors and other surfaces may become slippery. Do not breathe gas, fume, vapours or spray. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid spreading dust or contaminated materials.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. No smoking, sparks, flames or other sources of ignition near spillage. Keep away from flammable and combustible materials. First aid personnel should wear appropriate protective equipment during any rescue. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. Control run-off water by containing and keeping it out of sewers and watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

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Usage precautions Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. S24a Avoid prolonged or repeated contact with skin Static electricity and formation of sparks must be prevented. Provide adequate ventilation. Do not eat, drink or smoke when using the product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid spilling, skin and eye contact. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from oxidising materials, heat and flames. Alkalis. Acids.

Storage class 10

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredient comments SUP = Supplier's recommendation.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protection When using do not smoke

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Gloves of nitrile rubber, PVA or Viton are recommended.

Other skin and body protection Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Do not smoke in work area. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Seek advice from supervisor on the company's respiratory protection standards. Gas filter, type E. Gas filter, type K. Gas filter, type B. Gas filter, type AX.

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Environmental exposure controls Do not eat, drink or smoke when using this product. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light brown.
Odour	Hydrocarbons. Characteristic.
pH	Not available.
Initial boiling point and range	200 - 250°C @ 760 mm Hg
Flash point	> 75°C PMCC (Pensky-Martens closed cup).
Vapour pressure	<1000 hPa @ 50°C
Vapour density	> 1
Relative density	0.81 @ 15°C
Solubility(ies)	Immiscible with water.
Partition coefficient	Not applicable.
Viscosity	<7.5 mm ² /s @ 40°C

9.2. Other information

Other information Ethanol content : 0%

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable at normal ambient temperatures and when used as recommended.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Does not decompose when used and stored as recommended. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Avoid contact with the following materials: Strong oxidising agents. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Keep away from oxidising materials, heat and flames. Exothermic reaction with: Oxidising agents. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Toxicological effects	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD ₅₀ mg/kg)	5,000.0
Species	Rat
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD ₅₀ mg/kg)	5,000.0
Species	Rabbit
ATE dermal (mg/kg)	1,100.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC ₅₀ gases ppmV)	5,000.0
Species	Rat
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test Ames test Negative.
Inhalation	Vapour may irritate respiratory system/lungs. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Harmful: may cause lung damage if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Pneumonia may be the result if vomited material containing solvents reaches the lungs.
Skin contact	Product has a defatting effect on skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation. Not a skin sensitiser.
Eye contact	May cause severe eye irritation.
Medical considerations	The following pre-existing or historic medical conditions of the worker may lead to an increased risk of adverse health effects following exposure to this product: Skin disorders and allergies.

SECTION 12: Ecological information

Ecotoxicity	This product has not been tested but contains ingredients which are toxic or very toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. During normal use the volatility of the components and the packaging form, pressurised container, make entry into the aquatic environment unlikely, however, do not empty or discharge into drains or watercourses. Ensure container is empty before disposal to prevent contents entering watercourses.
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12.1. Toxicity

12.2. Persistence and degradability

Biodegradation	Not available.
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12.3. Bioaccumulative potential

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Partition coefficient Not applicable.

12.4. Mobility in soil

Mobility Not 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 Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed.

Waste class WGK 2

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

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National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	2nd issue.
Revision date	30/07/2015
Revision	2
Risk phrases in full	R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
Hazard statements in full	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.

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.