



Safety Data Sheet

JLM Diesel DPF Cleaner
Heavy Duty

DOC #: FBC-RNE-SDS-1012

PAGE: 1 OF 12

DATE: 18 MAY 2018

REV. LEVEL: 4

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name

JLM Diesel DPF Cleaner Heavy Duty # J02215

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

JLM Lubricants
Schiphol Boulevard 127
1118 BG Schiphol
Tel: +31(0)202014995

Contact Person

info@jlm lubricants.com

1.4. Emergency telephone number

Emergency telephone

0031 (0)201 4995

National emergency telephone number

<https://poisoncentres.echa.europa.eu/>

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards

Not Classified

Health hazards

Asp. Tox. 1 - H304

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Xn;R65.



Safety Data Sheet
JLM Diesel
DPF Cleaner Heavy Duty

DOC #: FBC-RNE-SDS-1012
PAGE: 2 OF 12
DATE: 18 MAY 2018
REV. LEVEL: 4

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P501 Dispose of contents/ container in accordance with local regulations.

Contains

Odourless Kerosene

Supplementary precautionary statements

P405 Store locked up.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Odourless Kerosene

60-100%

CAS number: 64742-47-8

EC number: 265-149-8

Classification

Classification (67/548/EEC or 1999/45/EC)

Asp. Tox. 1 - H304

Xn;R65. R66.

TOLUENE

<1%

CAS number: 108-88-3

EC number: 203-625-9

Classification

Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225

F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67

Skin Irrit. 2 - H315

Repr. 2 - H361d

STOT SE 3 - H336



Safety Data Sheet
JLM Diesel
DPF Cleaner Heavy duty

DOC #: FBC-RNE-SDS-1012
PAGE: 3 OF 12
DATE: 18 MAY 2018
REV. LEVEL: 4

STOT RE 2 - H373

Asp. Tox. 1 - H304

1,2,4-TRIMETHYLBENZENE

< 0.005%

CAS number: 95-63-6

EC number: 202-436-9

Classification

Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226

R10 Xn;R20 Xi;R36/37/38 N;R51/53

Acute Tox. 4 - H332

Skin Irrit. 2 - H315

Eye Irrit. 2 - H319

STOT SE 3 - H335

Aquatic Chronic 2 - H411

NAPHTHALENE

< 0.001%

CAS number: 91-20-3

EC number: 202-049-5

M factor (Acute) = 1

M factor (Chronic) = 1

Classification

Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 4 - H302

Carc. Cat. 3;R40 Xn;R22 N;R50/53

Carc. 2 - H351

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

CUMENE

< 0.001%

CAS number: 98-82-8

EC number: 202-704-5

Classification

Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226

R10 Xn;R65 Xi;R37 N;R51/53

STOT SE 3 - H335

Asp. Tox. 1 - H304

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

Get medical attention if any discomfort continues.

Inhalation

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.



Safety Data Sheet
JLM Diesel
DPF Cleaner Heavy Duty

DOC #: FBC-RNE-SDS-1012
PAGE: 4 OF 12
DATE: 18 MAY 2018
REV. LEVEL: 4

Ingestion If medical attention is not immediately available, Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. 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. Get medical attention promptly if symptoms occur after washing.

Inhalation Vapours may cause drowsiness and dizziness.

Ingestion Nausea, vomiting. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact Symptoms following overexposure may include the following:
Redness. Pain.

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

Notes for the doctor No specific recommendations. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Do not use water, if avoidable.

Unsuitable extinguishing media Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. No unusual fire or explosion hazards noted.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.



Safety Data Sheet
JLM Diesel
DPF Cleaner heavy Duty

DOC #: FBC-RNE-SDS-1012
PAGE: 5 OF 12
DATE: 18 MAY 2018
REV. LEVEL: 4

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighting Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Small Spillages: Absorb spillage with sand or other inert absorbent.
For waste disposal, see Section 13.

6.4. Reference to other sections

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

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 0°C and 40°C.

Storage class Chemical storage.

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

Occupational exposure limits

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 574 mg/m³(Sk)

1,2,4-TRIMETHYLBENZENE

Long-term exposure limit (8-hour TWA): 25 ppm 125

NAPHTHALENE

Long-term exposure limit (8-hour TWA): WEL 10 ppm 53 mg/m³

Short-term exposure limit (15-minute): WEL 15 ppm 80 mg/m³

CUMENE

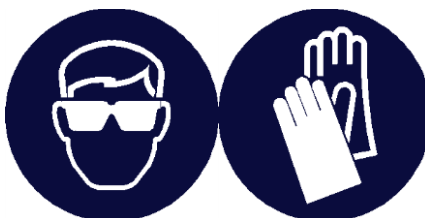
Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 125 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 250 mg/m³(Sk)

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures

Wash contaminated clothing before reuse. Wash hands after handling.

Respiratory protection

No specific recommendations.

Environmental exposure controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.



Safety Data Sheet
JLM Diesel
DPF Cleaner Heavy Duty

DOC #: FBC-RNE-SDS-1012
PAGE: 7 OF 12
DATE: 18 MAY 2018
REV. LEVEL: 4

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Amber.
Odour	Almost odourless.
pH	Scientifically unjustified.
Melting Point	Not determined.
Initial boiling point and range	192 - 256°C @ 760 mm Hg
Flash point	>70°C Closed cup.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.6 Upper flammable/explosive limit: 7.0
Vapour pressure	350 Pa @ °C
Vapour density	> 1 (Air = 1)
Relative density	0.80 - 0.82 @ 15°C
Solubility(ies)	Immiscible with water.
Auto-ignition temperature	225°C
Viscosity	Kinematic viscosity $\leq 20.5 \text{ mm}^2/\text{s}$. $1 - 3 \text{ m}^2/\text{s}$ @ 40°C
Explosive properties	Scientifically unjustified.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 99.4 %.
----------------------------------	--

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
-------------------	---

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Avoid the following conditions: Heat, sparks, flames.
------------------	---



Safety Data Sheet

JLM Diesel
DPF Cleaner Heavy
Duty

DOC #: FBC-RNE-SDS-1012

PAGE: 8 OF 12

DATE: 18 MAY 2018

REV. LEVEL: 4

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not relevant. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Avoid contact with the following materials: Strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological effects No information available.

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity – fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure



Safety Data Sheet

JLM Diesel
DPF Cleaner Heavy
Duty

DOC #: FBC-RNE-SDS-1012

PAGE: 9 OF 12

DATE: 18 MAY 2018

REV. LEVEL: 4

STOT - single exposure Based on available data the classification criteria are not met.

**Specific target organ toxicity -
repeated exposure**

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Low acute toxicity to aquatic organisms.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in Soil

Mobility The product is insoluble in water and will spread on the water surface.

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 None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.



Safety Data Sheet

JLM Diesel
DPF Cleaner Heavy
Duty

DOC #: FBC-RNE-SDS-1012

PAGE: 10 OF 12

DATE: 18 MAY 2018

REV. LEVEL: 4

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 MARPOL 73/78 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

National regulations

EH40/2005 Workplace exposure limits.

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).



Safety Data Sheet

JLM Diesel
DPF Cleaner Heavy
Duty

DOC #: FBC-RNE-SDS-1012

PAGE: 11 OF 12

DATE: 18 MAY 2018

REV. LEVEL: 4

**Authorisations (Title VII
Regulation 1907/2006)
Restrictions (Title VIII
Regulation 1907/2006)**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Dangerous Preparations Directive 1999/45/EC.

Dangerous Substances Directive 67/548/EEC.

No specific authorisations are known for this product.

No specific restrictions on use are known for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision date	18 MAY 2018
Revision	4
Supersedes date	15 JUNE 2017
Risk phrases in full	R10 Flammable. R11 Highly flammable. R20 Harmful by inhalation. R22 Harmful if swallowed. R36/37/38 Irritating to eyes, respiratory system and skin. R37 Irritating to respiratory system. R38 Irritating to skin. R40 Limited evidence of a carcinogenic effect. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. 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. R63 Possible risk of harm to the unborn child. R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	H225 Highly flammable liquid and vapour.



Safety Data Sheet

JLM Diesel
DPF Cleaner Heavy
Duty

DOC #: FBC-RNE-SDS-1012

PAGE: 12 OF 12

DATE: 18 MAY 2018

REV. LEVEL: 4

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

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.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

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.

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/herself as to the suitability of such information for his/her own particular use.