

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 29.06.2020

Version number 3

Revision: 29.06.2020

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

1.1 Product Identifier:

Trade name: J03180 JLM Petrol E85 Fuel Treatment

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

Product category: PC0 Other

Application of the substance / the mixture: Fuel Additive.

1.3 Details of the supplier of the safety data sheet:

Manufacturer / Importer / Supplier:

JLM Lubricants B.V.

Schiphol Boulevard

1118 BG Schiphol

Tel.: +31 (0)20 201 4995

Email: info@jlm lubricants.com www.jlm lubricants.com

Further information obtainable from: Product safety department.

1.4 Emergency telephone number:

+31 (0) 20 201 4995

This telephone number can be reached during office hours.

* SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008:



GHS08 health hazard

Carc. 1B H350 May cause cancer.

Repr. 1A H360F May damage fertility.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Hazard pictograms: GHS08

Signal word: Danger

Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated heavy

Solvent naphtha (petroleum), light arom.

Hazard statements:

H350 May cause cancer.

H360F May damage fertility.

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

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

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

P331 Do NOT induce vomiting.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

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

Additional information:

Restricted to professional users.

2.3 Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

* SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures:

Description: Mixture of substances listed below, possibly with non-hazardous additions.

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Components:		
CAS: 64742-48-9 EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39	Naphtha (petroleum), hydrotreated heavy ⚠ Asp. Tox. 1, H304	50-100%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226; ⚠ Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	2.5-10%
CAS: 95-63-6 EINECS: 202-436-9 Index number: 601-043-00-3 Reg.nr.: Compliant	1,2,4-trimethylbenzene ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤2.5%
CAS: 1330-20-7 EC number: 905-588-0 Reg.nr.: 01-2119488216-32	Reaction mass of ethylbenzene and Xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤2.5%
Ingredients according to detergents regulation (EC nr. 648/2004):		
aromatic hydrocarbons		<5%

Additional information: For the wording of the listed hazard phrases See section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information:

Persons, providing assistance, should avoid exposure and danger for themselves or others.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).

Do NOT use solvents or thinners.

If skin irritation continues, consult a doctor.

After eye contact:

If possible, remove contact lenses.

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.

After ingestion: Do not induce vomiting; call for medical help immediately.**4.2 Most important symptoms and effects, both acute and delayed:** No further relevant information available.**4.3 Indication of any immediate medical attention and special treatment needed:**

After ingestion of the liquid, droplets of the product may enter the lungs (aspiration), whereby pneumonia can occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing agents: CO₂, powder, foam or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:** Water with full jet

5.2 Special hazards arising from the substance or mixture:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Keep dust/vapour clouds away from possible ignition points.

During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters:

Protective equipment:

Mouth respiratory protective device.

Wear self-contained respiratory protective device.

Additional information: Cool endangered tanks with water spray.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from ignition sources.
 Avoid breathing vapor and contact with eyes, skin and clothing.
 Mount respiratory protective device.
 Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Prevent seepage into sewage system, workpits and cellars.
 Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Dispose contaminated material as waste according to section 13.
 Ensure adequate ventilation.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.

Information about fire and explosion protection:

Observe the general rules for fire prevention.
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
 Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities: Storage must comply with the local regulations.

Storage:

Requirements to be met by storerooms and tanks:

Store only in the original receptacle.
 All hazardous products must be placed above a sump pallet.
 Keep in a cool, dry place, protected from direct sunlight.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions:

Keep container tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s): No further relevant information available.

* SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see section 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:	
95-63-6 1,2,4-trimethylbenzene	
WEL (Great Britain)	Long-term value: 125 mg/m ³ , 25 ppm ILV
IOELV (EU)	Long-term value: 100 mg/m ³ , 20 ppm
1330-20-7 Reaction mass of ethylbenzene and Xylene	
WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin

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DNELs		
95-63-6 1,2,4-trimethylbenzene		
Oral	Long-term - systemic effects	15 mg/kg bw/day (Consumer)
Dermal	Long-term - systemic effects	9,512 mg/kg bw/day (Consumer)
		16,171 mg/kg bw/day (Worker)
Inhalative	Acute - systemic effects	29.4 mg/m3 (Consumer)
		100 mg/m3 (Worker)
	Long-term - local effects	29.4 mg/m3 (Consumer)
		100 mg/m3 (Worker)
	Long-term - systemic effects	29.4 mg/m3 (Consumer)
		100 mg/m3 (Worker)
	Acute - local effects	29.4 mg/m3 (Consumer)
		100 mg/m3 (Worker)
1330-20-7 Reaction mass of ethylbenzene and Xylene		
Inhalative	Acute - local effects	289 mg/m3 (Worker)
PNECs		
95-63-6 1,2,4-trimethylbenzene		
Fresh water		0.12 mg/l
Marine water		0.12 mg/l
STP		2.41 mg/l
Fresh water sediment		13.56 mg/kg
Marine sediment		13.56 mg/kg
Soil		2.34 mg/kg
Ingredients with biological limit values:		
1330-20-7 Reaction mass of ethylbenzene and Xylene		
BMGV (Great Britain)	650 mmol/mol creatinine	
	Medium: urine	
	Sampling time: post shift	
	Parameter: methyl hippuric acid	

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
 Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter AX

Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves:

Gloves Neo-Nitrile™ 300 – AQL or 0.65 (level 3). Thickness-0.35 mm.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

Permeation performance > 30 minutes

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The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Use safety glasses that meets the requirements of EN 166; latest versions.

Body protection: Anti-static clothing

Limitation and supervision of exposure into the environment: Prevent spills from reaching surface waters or soil.

* SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

General Information:

Appearance:

Form:	Liquid.
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/freezing point:	Not determined.
Initial boiling point and boiling range:	160-220 °C

Flash point: >61 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: 425 °C

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not self-igniting.

Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	0.6 Vol %
Upper:	7 Vol %

Vapour pressure at 20 °C: 43 hPa

Density at 20 °C: 0.85 g/cm³

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with:

Water: Insoluble.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

Solvent content:

Oxidizing properties: Does not contain oxidizing properties.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Reacts violently with oxidants.

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10.2 Chemical stability:**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**10.3 Possibility of hazardous reactions:** No dangerous reactions known.**10.4 Conditions to avoid:**

Direct sunlight

Heat

Sparks-Open fire

10.5 Incompatible materials: Oxidising Agents**10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

* SECTION 11: Toxicological information

11.1 Information on toxicological effects:**Acute toxicity:** Based on available data, the classification criteria are not met.**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**Inhalative | LD50/2 h | >194 mg/m³**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral | LD50 | >5,000 mg/kg (Rat)

Dermal | LD50 | >3,160 mg/kg (Rabbit)

Inhalative | LC50/4 h | 21 mg/l (Rat)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral | LD50 | >6,800 mg/kg (Rat)

Dermal | LD50 | >3,400 mg/kg (Rabbit)

Inhalative | LC50/4 h | >10.2 mg/l (Rat)

95-63-6 1,2,4-trimethylbenzene

Oral | LD50 | >3,500 mg/kg (Rat)

Dermal | LD50 | 3,160 mg/kg (Rabbit)

Inhalative | LC50/4 h | 24 mg/l (Rat)

1330-20-7 Reaction mass of ethylbenzene and Xylene

Oral | LD50 | 4,300 mg/kg (Rat)

Dermal | LD50 | >2,000 mg/kg (rbt)

Inhalative | LC50/4 h | 20 mg/l (Rat)

100-41-4 ethylbenzene

Oral | LD50 | 3,500 mg/kg (Rat)

Dermal | LD50 | 17,800 mg/kg (rbt)

Inhalative | LD50/2 h | 11 mg/m³ (ATE)**64742-47-8 Distillates (petroleum), hydrotreated light**

Oral | LD50 | >2,000 mg/kg (Rat)

Dermal | LD50 | >2,000 mg/kg (Rat)

Inhalative | LC50/4 h | >21 mg/l (Rat)

Primary irritant effect:**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.**CMR effects (carcinogenic, mutagenic and reprotoxic):****Germ cell mutagenicity:** Based on available data, the classification criteria are not met.**Carcinogenicity:**

May cause cancer.

Reprotoxicity:

May damage fertility.

STOT-single exposure: Based on available data, the classification criteria are not met.**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

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Aspiration hazard:

May be fatal if swallowed and enters airways.

* **SECTION 12: Ecological information****12.1 Toxicity:****Aquatic toxicity:****64742-48-9 Naphtha (petroleum), hydrotreated heavy**

LC50/96h 2,200 mg/l (Pimephales promelas)

EC50/48h 2.6 mg/l (Chaetogammarus marinus)

95-63-6 1,2,4-trimethylbenzene

LC50/96h 7.72 mg/l (Pimephales promelas)

EC50/24h 3.6 mg/l (Daphnia Magna)

1330-20-7 Reaction mass of ethylbenzene and Xylene

LC50/96h 3.77-13.5 mg/l (Fish)

EC50/48h 7.4 mg/l (Daphnia Magna)

64742-47-8 Distillates (petroleum), hydrotreated light

LC50/96h 45 mg/l (Fish) (Calculated)

EC50/48h 10,000,000 mg/l (Daphnia Magna) (Calculated)

12.2 Persistence and degradability: No further relevant information available.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**Ecotoxicological effects:****Remark:** Toxic for fish**Additional ecological information:****General notes:**

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment:**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects:** No further relevant information available.* **SECTION 13: Disposal considerations****13.1 Waste treatment methods:****Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.**Contaminated packaging:****Recommendation:** Disposal must be made according to official regulations.* **SECTION 14: Transport information****14.1 UN-Number:****ADR/RID/ADN, IMDG, IATA**

Void

14.2 UN proper shipping name:**ADR/RID/ADN, IMDG, IATA**

Void

14.3 Transport hazard class(es):**ADR/RID/ADN, IMDG, IATA****Class:**

Void

14.4 Packing group:**ADR/RID/ADN, IMDG, IATA**

Void

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14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU:

Named dangerous substances - ANNEX I: None of the ingredients are listed.

REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3, 28

National regulations:

Water hazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

- H226 Flammable liquid and vapour.
 - H304 May be fatal if swallowed and enters airways.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H335 May cause respiratory irritation.
 - H340 May cause genetic defects.
 - H350 May cause cancer.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - H411 Toxic to aquatic life with long lasting effects.
- Training hints:** Take care of good information, instruction and training for users.

Department issuing SDS: Environment protection department.

Abbreviations and acronyms:

- ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (Division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- EC50: Effective Concentration, 50 percent
- WEL: Workplace Exposure Limits
- IOELVS: Indicative Occupational Exposure Limit Values
- mPa.s: milliPascal per second
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity - inhalation – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Muta. 1B: Germ cell mutagenicity – Category 1B
- Carc. 1B: Carcinogenicity – Category 1B
- Repr. 1A: Reproductive toxicity – Category 1A
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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References:

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)

See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Revisions were made in sections marked with *.

Disclaimer:

The information provided in this Material Safety Data Sheet has been prepared with the utmost care and corresponds to the most recent information available to the supplier on the date of publication mentioned in the header of every page. The contents of this Material Safety Data Sheet should not be considered as a guarantee for certain product properties or fitness for particular purposes. It is the obligation of the user to determine whether the product is suitable for the specific purpose, intended use and the method of application. This Safety Data Sheet only relates to the product described and does not apply to any not defined use or the use of the product in combination with other materials, substances or products. It is the responsibility of the user to use and handle the product with care and to comply with all applicable laws and regulations. The supplier accepts no liability for direct or indirect damages resulting from improper use of this Material Safety Data Sheet and / or the products described therein.

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