

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 23.07.2017

Version number 1

Revision: 23.07.2017

### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product Identifier:

**Trade name:** JLM Step 1 of 2 Cleaning fluid Intake Extreme Clean J02283

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

**Product category:** PC35 Washing and cleaning products (including solvent based products)

**Application of the substance / the mixture:** Industrial cleaner

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

**Manufacturer / Importer / Supplier:**

JLM Lubricants B.V.

Schiphol Boulevard 127

1118 BG Schiphol

Nederland

Tel: +31 (0)20 201 4995

Email: [info@jlm lubricants.com](mailto:info@jlm lubricants.com)

**Further information obtainable from:** Product Safety Department, [www.jlm lubricants.com](http://www.jlm lubricants.com)

#### 1.4 Emergency telephone number:

TecLub B.V. +31 (0)20 201 4995 During normal office hours.

### SECTION 2: Hazards Identification

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

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

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements:

**Labelling according to Regulation (EC) No 1272/2008:**

The substance is classified and labelled according to the CLP regulation.

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P273 Avoid release to the environment.

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

#### 2.3 Other hazards:

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/Information on Ingredients

#### 3.2 Chemical characterisation: Mixtures:

##### Description:

Solvent mixture with additives

Cleansing agent

##### Components:

CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light ⚠ Asp. Tox. 1, H304	2.5-10%
CAS: 64742-94-5 EINECS: 265-198-5 Index number: 649-424-00-3 Reg.nr.: 01-2119451097-39	Solvent naphtha, heavy arom. ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336	2.5-10%

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CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2, H319	≤ 2.5%
CAS: 93-83-4 EINECS: 202-281-7	9-Octadecenamide, N,N-bis(2-hydroxyethyl)-, (Z)- ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 2.5%
<b>Ingredients according to detergents regulation (EC nr. 648/2004):</b>		
OLEAMIDE DEA		<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:

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

**After ingestion:** If symptoms persist consult doctor.

**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:**

No further relevant information available.

### SECTION 5: Firefighting Measures

#### 5.1 Extinguishing media:

##### Suitable extinguishing agents:

CO<sub>2</sub>, powder, foam or water spray. Fight larger fires with water spray or alcohol resistant foam.

##### For safety reasons unsuitable extinguishing agents:

For this substance / mixture there are no limitations of extinguishing agents.

**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

#### 5.3 Advice for firefighters:

**Protective equipment:** Wear self-contained respiratory protective device.

### SECTION 6: Accidental Release Measures

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

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Remainder dilute with plenty of water.

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:** Keep ignition sources away - Do not smoke.

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

#### Storage:

**Requirements to be met by storerooms and tanks:** No special requirements.

#### Information about storage in one common storage facility:

Store away from oxidising agents.

Do not store together with acids.

#### Further information about storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

### 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:

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

TWA 8 HOURS (EU) Long-term value: 1200 mg/m<sup>3</sup>

##### 112-34-5 2-(2-butoxyethoxy)ethanol

WEL (Great Britain) Short-term value: 101.2 mg/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

DNEL (EU) Short-term value: 101.2 mg/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

IOELV (EU) Short-term value: 101.2 mg/m<sup>3</sup>, 15 ppm

Long-term value: 67.5 mg/m<sup>3</sup>, 10 ppm

#### DNELs

##### 112-34-5 2-(2-butoxyethoxy)ethanol

Oral Long-term - systemic effects 1.3 mg/kg bw/day (Worker)

Dermal Long-term - systemic effects 20 mg/kg bw/day (Consumer)

10 mg/kg bw/day (Worker)

Inhalative Acute - systemic effects 34 mg/m<sup>3</sup> (Worker)

Long-term - local effects 34 mg/m<sup>3</sup> (Consumer)

Long-term - local effects 67.3 mg/m<sup>3</sup> (Worker)

Long-term - systemic effects 34 mg/m<sup>3</sup> (Consumer)

67.5 mg/m<sup>3</sup> (Worker)

Acute - local effects 50.6 mg/m<sup>3</sup> (Consumer)

#### PNECs

##### 112-34-5 2-(2-butoxyethoxy)ethanol

Fresh water 1 mg/l

Marine water 0.1 mg/l

Intermittent releases 3.9 mg/l

STP 200 mg/l

Fresh water sediment 4 mg/kg

Marine sediment 0.4 mg/kg

Soil 0.4 mg/kg

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

### 8.2 Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

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**Respiratory protection:**

Not necessary if room is well-ventilated.

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:**

Solvent resistant gloves

Use protective gloves to DIN EN374-3

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:**

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.

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.7$  mm

**Penetration time of glove material:**

Value for the permeation: Level  $\leq >120$ 

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:** Protective work 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:**

<b>Form:</b>	Liquid.
<b>Colour:</b>	Colourless.
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

<b>pH-value at 20 °C:</b>	7.4 (20% in water)
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**Change in condition**

<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	Undetermined.

<b>Flash point:</b>	88 °C
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<b>Flammability (solid, gas):</b>	Not applicable.
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<b>Ignition temperature:</b>	Not determined
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<b>Decomposition temperature:</b>	Not determined.
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<b>Auto-ignition temperature:</b>	Product is not self-igniting.
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<b>Explosive properties:</b>	Product does not present an explosion hazard.
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**Explosion limits:**

<b>Lower:</b>	0.5 Vol %
<b>Upper:</b>	7.0 Vol %

<b>Vapour pressure at 20 °C:</b>	2 hPa
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<b>Density at 20 °C:</b>	0.95 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.

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<b>Evaporation rate:</b>	Not determined.
<b>Solubility in / Miscibility with:</b>	
<b>Water:</b>	Dispersible.
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>9.2 Other information:</b>	No further relevant information available.

### SECTION 10: Stability and Reactivity

**10.1 Reactivity:** No further relevant information available.

**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:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 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)**

Oral	LD50	>20,660 mg/kg (Rat)
Dermal	LD50	>12,542 mg/kg

**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)

**64742-94-5 Solvent naphtha, heavy arom.**

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LD50 /1h	590 mg/l (Rat)

**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	LD50	5,660 mg/kg (Rat)
Dermal	LD50	4,000 mg/kg (rbt)

**93-83-4 9-Octadecenamide, N,N-bis(2-hydroxyethyl)-,(Z)-**

Oral	LD50	>2,000 mg/kg (Rat)
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**111-42-2 2,2'-iminodiethanol**

Oral	LD50	1,600 mg/kg (Rat)
Dermal	LD50	12,200 mg/kg (rbt)

**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:** Based on available data, the classification criteria are not met.

**Reprotoxicity:** Based on available data, the classification criteria are not met.

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

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

**Aspiration hazard:** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological Information

#### 12.1 Toxicity:

##### Aquatic toxicity:

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

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

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

##### 64742-94-5 Solvent naphtha, heavy arom.

LL50/96h 677.9 mg/l (Bateria)

2 mg/l (Oncorhynchus mykiss)

EL50/48H 3 mg/l (Daphnia Magna)

**12.2 Persistence and degradability:** Easily biodegradable

**12.3 Bioaccumulative potential:** No further relevant information available.

**12.4 Mobility in soil:** No further relevant information available.

#### Ecotoxical effects:

**Remark:** Harmful to fish

#### Additional ecological information:

##### General notes:

Harmful to aquatic organisms

Do not allow product to reach ground water, water course or sewage system.

#### 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:** Packaging may be reused or recycled after cleaning.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 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

#### 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.

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

### SECTION 16: Other Information

This information is based on our present knowledge. This shall not constitute a guarantee for any properties of the product and shall not establish a legally valid contractual relationship.

#### Relevant phrases:

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.

H336 May cause drowsiness or dizziness.

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

H411 Toxic to aquatic life with long lasting effects.

**Department issuing SDS:** Environment protection department.

#### Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

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

IOELVS: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**Revisions were made in sections marked with \*.**

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