

Safety Data Sheet

J02260 JLM DPF Refill Fluid Issue date 13-Jun-2014

Revision date 13-Jun-2014

Version 1

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

1.1. Product Identifier

Product name **J02260 JLM DPF Refill Fluid**

Pure substance/mixture Mixture

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

Recommended Use No information available

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

JLM Lubricants bv
Schiphol Boulevard 127
1118 BG Alkmaar
The Netherlands
phone: 0031-(0) 20 201 4995

For further information, please contact

Contact Point R&D
E-mail address info@jlm lubricants.com

1.4. Emergency telephone number

Emergency telephone 0031-(0)20 2014995

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration toxicity	Category 1 - (H304)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)

Classification according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols

Xn - Harmful

R-code(s)

Xn;R65 - Xi;R36/38

Full text of R-phrases: see section 16

2.2. Label Elements

Product Identifier

Contains 3,5,5-Trimethyl hexanoic acid, Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, <2% aromatics, Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics

**Signal Word**

DANGER

hazard statements

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H318 - Causes serious eye damage

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

2.3. Other Hazards

combustible liquid

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	REACH registration number	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	weight-%
Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	XXXXXX-XX-X	01-2119457273-39	Xn;R65 R66	Asp. Tox. 1 (H304) (EUH066)	50-100
2-Ethylhexanoate acid, iron salt	243-169-8	19583-54-1	no data available	Xi;R38	Skin Irrit. 2 (H315)	25-50
3,5,5-Trimethyl hexanoic acid	221-975-0	3302-10-1	01-2119517580-45	Xn;R22 Xi;R38 Xi;R41	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Acute Tox. 4 (H302)	5-10
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics	926-141-6	64742-47-8	01-2119456620-43	Xn;R65 R66	EUH066 Asp. Tox. 1 (H304)	<1

Full text of R-phrases: see section 16**Full text of H- and EUH-phrases: see section 16**

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
inhalation	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
Skin contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Ingestion	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Use personal protective equipment as required.

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

Symptoms Respiratory complaints. Irritating to skin. Causes serious eye damage.

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

Note to physicians Treat symptomatically. Observe risk of aspiration if vomiting occurs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use. Dry chemical. Carbon dioxide (CO₂). Water spray (fog). Alcohol resistant foam.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

Hazardous combustion products Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures**Personal precautions**

Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Cover liquid spill with sand, earth or other non-combustible absorbent material. Pick up and transfer to properly labeled containers. Dam up.

6.4. Reference to other sections

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

General hygiene considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

Chemical name	European Union	United Kingdom	France	Spain	Germany
2-Ethylhexanoate acid, iron salt 19583-54-1	-	TWA: 1 mg/m ³	-	TWA: 1 mg/m ³	-

Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics 64742-47-8	-	-	-	-	TWA: 20 ppm TWA: 140 mg/m ³ Ceiling / Peak: 40 ppm mg/m ³ Skin
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
2-Ethylhexanoate acid, iron salt 19583-54-1	-	TWA: 1 mg/m ³	-	TWA: 1 mg/m ³	TWA: 1 mg/m ³
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
2-Ethylhexanoate acid, iron salt 19583-54-1	-	TWA: 1 mg/m ³	-	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Eyewash stations.

Personal Protective Equipment

Eye/face Protection Hand protection

Tight sealing safety goggles.

Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and Body Protection

Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374

Respiratory protection

None under normal use conditions.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid	Odor	characteristic
appearance	No information available	odor threshold	No information available
color	brown		
Property	Values	Remarks • Method	
pH		No information available	
Melting point/freezing point		No information available	
Boiling point / boiling range	=> 160 °C / 320 °F		
Flash Point	> 61 °C / > 142 °F		
Evaporation Rate		No information available	
flammability (solid, gas)		No information available	
Flammability Limit in Air			
Upper flammability limit:	7.0 Vol-%		
Lower flammability limit:	0.6 Vol-%		
vapor pressure	<= 10 hPa	@ 20°C	
Vapor Density		No information available	
Specific gravity	approx. 0.894 g/cm ³	@ 20°C	
Water solubility		@ 20° C	
solubility(ies)	no data available	No information available	

Partition coefficient		No information available
Autoignition Temperature	> 200 °C / 392 °F	
decomposition temperature		No information available
Kinematic viscosity	< 6.99 mm ² /s	@ 40°C
Dynamic viscosity	no data available	@ 40 °C
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

no data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

Incompatible with oxidizing agents. Acids. Bases.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

inhalation	no data available.
Eye Contact	no data available.
Skin contact	no data available.
Ingestion	no data available.

The following values are calculated based on chapter 3.1 of the GHS document

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

sensitization	No information available.
Germ Cell Mutagenicity	No information available.
carcinogenicity	No information available.
Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target organ effects	EYES, Gastrointestinal tract (GI), Liver, Respiratory System, skin.
Aspiration Hazard	No information available.

SECTION 12: Ecological information

12.1. Toxicity

98% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Product Information

Acute (short-term) algae toxicity

EC50	No information available
EC0	No information available
IC50	No information available
IC0	No information available
ErC50	No information available
EbC50	No information available

Acute (short-term) fish toxicity

LC50	No information available
LC0	No information available
EC50	No information available
EC0	No information available

Acute (short-term) aquatic invertebrate toxicity

EC50	No information available
EC0	No information available

Chronic (long-term) algae toxicity

NOEC	No information available
LOEC	No information available

Chronic (long-term) fish toxicity

NOEC No information available

LOEC No information available

Chronic (long-term) aquatic invertebrate toxicity

NOEC No information available

LOEC No information available

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	-	approx. 1000 mg/l (Daphnia Magna 48h)
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics	IC50: > 100 mg/l	LC50: > 100 mg/l	EC50: > 100 mg/l

12.2. Persistence and degradability

No information available.

biodegradation

biodegradation No information available

BOD No information available

ThCO2 No information available

DOC No information available

Chemical name	biodegradation
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics 64742-47-8	Biodegradation : 69 % (672 h)

12.3. Bioaccumulative potential

No information available.

Chemical name	Partition coefficient
3,5,5-Trimethyl hexanoic acid	3.08

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.
OTHER INFORMATION	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

ADR

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

RID

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

IMDG

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

IATA

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

SECTION 15: Regulatory information

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

National Regulations

See section 8 for national exposure control parameters

Chemical name	French RG number
Hydrocarbons, C11-C14, N-Alkanes, Isoalkanes, Cyclics, < 2%Aromatics 64742-47-8	RG 84

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

All of the components in the product are on the following Inventory lists TSCA (United States);, Europe (EINECS/ELINCS/NLP).

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

R66 - Repeated exposure may cause skin dryness or cracking

R65 - Harmful: may cause lung damage if swallowed

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

R22 - Harmful if swallowed

R36/38 - Irritating to eyes and skin

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation

H318 - Causes serious eye damage

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

EUH066 - Repeated exposure may cause skin dryness or cracking

Revision note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet