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

· 1.1 Product identifier

Trade name: <u>MC-302</u>

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

· Sector of Use SU20 Health services

- Product category PC35 Washing and cleaning products (including solvent based products)
- · Application of the substance / the mixture Cleaning material/ Detergent

 1.3 Details of the supplier of the safety data sheet
 Manufacturer/Supplier: PRISMAN GmbH
 Otto Hahn Ring 6-18
 D-64653 Lorsch
 Germany

· Further information obtainable from:

Abteilung Produktsicherheit

Alexander.Metz@prisman.de

· 1.4 Emergency telephone number: ++49 (0)6251 866980-0, Mo - Fr 8-18 Uhr

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

• *Classification according to Regulation (EC) No 1272/2008* The product is not classified according to the CLP regulation.

· 2.2 Label elements

- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · 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:**

Cleansing agent Mixture of substances listed below with nonhazardous additions.

· Dangerous components: Void

• Additional information: For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · General information: No special measures required.
- 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.
- After swallowing:

Rinse out mouth and then drink plenty of water.

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: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures Not required.

· 6.2 Environmental precautions: Dilute with plenty of water.

• 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

No dangerous substances are released.

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 No special measures required.

· Information about fire - and explosion protection: No special measures required.

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- 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Store in upright position.
- 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 item 7.
- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
- The usual precautionary measures are to be adhered to when handling chemicals.
- · Respiratory protection: Not required.
- Protection of hands:

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material

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

• As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR Butyl rubber, BR

Duiyi rubber, DK

Natural rubber, NR

• Eye protection: Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- · Appearance:
 - Form:

Fluid

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Colour:	Colourless
Odour:	Recognisable
Odour threshold:	Not determined.
pH-value at 20 °C:	7.6
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range	:: 100 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	1 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0 %
Water:	99.0 %
VOC (EC)	0 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

*

• 10.1 Reactivity No further relevant information available.

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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 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.

• 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 sensitisation

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

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

· Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

• Reproductive toxicity Based on available data, the classification criteria are not met.

• 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.

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

SECTION 12: Ecological information

· 12.1 Toxicity

• Aquatic toxicity: No further relevant information available.

• 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.

· 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 Smaller quantities can be disposed of with household waste.*

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

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

SECTION 14: Transport informat	tion
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, IMDG, IATA · Class · Label	Void -
· ADN/R Class:	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number:	
· 14.7 Transport in bulk according to Ann of Marpol and the IBC Code	nex II Not applicable.
• Transport/Additional information:	Not dangerous according to the abov specifications.
· ADR	
· Excepted quantities (EQ):	-
· Limited quantities (LQ)	-
· Transport category	-
• Tunnel restriction code	-
· UN "Model Regulation":	UN-, -

*

SECTION 15: Regulatory information

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

· Labelling according to Regulation (EC) No 1272/2008 GHS label elements

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

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GB

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Abteilung Produktsicherheit
- · Contact: Hr. Dr. Metz

• Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) 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) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative * *** Data compared to the previous version altered.**



Version 1.0

Revision Date 15.07.2016

Print Date 06.02.2017

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	: W&H Service Oil F1 MD 302		
Article-No.	: 028123		

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

Use of the	: Lubricating oil
Substance/Mixture	
Recommended restrictions	: Restricted to professional users.
on use	

1.3 Details of the supplier of the safety data sheet

		Klüber Lubrication München Geisenhausenerstr. 7 81379 München Deutschland Tel: +49 (0) 89 7876 0 Fax: +49 (0) 89 7876 333 info@klueber.com
E-mail address Responsible/issuing person	:	mcm@klueber.com Material Compliance Management
National contact	:	Klüber Lubrication Austria Ges.m.b.H. Franz-WSchererstrasse 32

contact	Franz-WSchererstrasse 32 5020 Salzburg
	Austria
	+43-662-452705-0
	Fax: +43-662-452705-30
	office@at.klueber.com

1.4 Emergency telephone number

+43 1 406 43 43 (Vergiftungsinformationszentrale)

0049 (0) 897876-700 (24hrs)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.



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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.3 Other hazards

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature	: Synthetic hydrocarbon oil ester oil
Remarks	: No hazardous ingredients

4. First aid measures

4.1 Description of first aid measures

If inhaled	 Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If unconscious place in recovery position and seek medical advice. Keep respiratory tract clear. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	 Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. Get medical attention immediately if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	 Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. If eye irritation persists, consult a specialist.
If swallowed	 Move the victim to fresh air. If unconscious place in recovery position and seek medical advice. Keep respiratory tract clear. Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: No information available.
Risks	: None known.

4.3 Indication of any immediate medical attention and special treatment needed



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Treatment	:	No information available.	
5. Firefighting measures			
5.1 Extinguishing media			
Suitable extinguishing media	:	Use water spray, alcohol-resistant foam carbon dioxide.	, dry chemical or
Unsuitable extinguishing media	:	High volume water jet	
5.2 Special hazards arising from t	the	substance or mixture	
Specific hazards during firefighting	:	Fire may cause evolution of: Carbon oxides	
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained Use personal protective equipment. In the case of respirable dust and/or fun breathing apparatus. Exposure to decomposition products ma health.	nes, use self-contained
Further information	:	Standard procedure for chemical fires.	

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation. Do not breathe vapours or spray mist. Refer to protective measures listed in sections	7 and 8.
--	----------

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillage cannot be contained.	Environmental precautions	Local authorities should be advised if significant spillages
--	---------------------------	--

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Contain spillage, and then collect with non-combustible
	absorbent material, (e.g. sand, earth, diatomaceous earth,
	vermiculite) and place in container for disposal according to
	local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8.



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7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	 Do not breathe vapours or spray mist. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Wash hands and face before breaks and immediately after handling the product. Do not get in eyes or mouth or on skin. Do not get on skin or clothing. Do not get on skin or clothing. Do not repack. Do not repack. Do not re-use empty containers. These safety instructions also apply to empty packaging which
	Do not re-use empty containers.
	These safety instructions also apply to empty packaging which may still contain product residues.
	Keep container closed when not in use. Avoid inhalation of vapour or mist.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	 Store in original container. Keep container closed when not in use. Keep in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.
---	---

7.3 Specific end use(s)

: Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Respiratory protection	:	Not required; except in case of aerosol formation.
		Filter type A-P



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Hand protection		For prolonged or repeated contact use prof The selected protective gloves have to sati specifications of EU Directive 89/686/EEC EN 374 derived from it. The break through time depends amongst material, the thickness and the type of glov to be measured for each case. In case of contact through splashing: Nitrile rubber Protective index Class 1	sfy the and the standard other things on the
Eye protection	:	Safety glasses with side-shields conforming	g to EN166
Hygiene measures	:	Wash face, hands and any exposed skin th handling.	oroughly after
Protective measures	:	The type of protective equipment must be a to the concentration and amount of the dar at the specific workplace. Choose body protection in relation to its typ concentration and amount of dangerous su the specific work-place.	ngerous substance
Environmental exposure con	tro	bls	
General advice	:	Try to prevent the material from entering dr courses. Prevent further leakage or spillage if safe to Local authorities should be advised if signific cannot be contained.	o do so.

9. Physical and chemical properties

9.1 Information on basic phys Appearance	sic :	al and chemical properties liquid
Colour	:	yellow
Odour	:	characteristic
Odour Threshold	:	No data available
рН	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 200 °C, Test Method: open cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Vapour pressure	:	< 0,001 hPa, 20 °C



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Relative vapour density	: No data available	
Density	: 0,85 g/cm3, 20 °C	
Water solubility	: insoluble	
Solubility in other solvents	: No data available	
Partition coefficient: n- octanol/water	: No data available	
Auto-ignition temperature	: No data available	
Ignition temperature	: No data available	
Thermal decomposition	: No data available	
Viscosity, dynamic	: No data available	
Viscosity, kinematic	: 25 mm2/s, 40 °C	
Explosive properties	: Not explosive	
Oxidizing properties	: No data available	
9.2 Other information		
Sublimation point	: Not applicable	
Bulk density	: Not applicable	
10. Stability and reactivity		
10.1 Reactivity		
None reasonably foreseeable	9.	

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	: No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid	
Conditions to avoid	: No conditions to be specially mentioned.
10.5 Incompatible materials	
Materials to avoid	: No materials to be especially mentioned.
10.6 Hazardous decomposition p	products
Hazardous decomposition products	: No decomposition if stored and applied as directed.

11. Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity : This information is not available.



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Acute inhalation toxicity	: This information is not available.	
Acute dermal toxicity	: This information is not available.	
Skin corrosion/irritation	: This information is not available.	
Serious eye damage/eye irritation	: This information is not available.	
Respiratory or skin sensitisation	: This information is not available.	
Germ cell mutagenicity		
Genotoxicity in vitro	: No data available	
Genotoxicity in vivo	: No data available	
Carcinogenicity	: No data available	
Reproductive toxicity	: No data available	
Teratogenicity	: No data available	
Repeated dose toxicity	: This information is not available.	
Aspiration toxicity	: This information is not available.	
Further information	: Information given is based on data on the toxicology of similar products.	e components and

12. Ecological information

12.1 Toxicity

Product:

Toxicity to fish	:
	No data available
Toxicity to daphnia and other	:
aquatic invertebrates	No data available
Toxicity to algae	:
, ,	No data available
Toxicity to bacteria	:
-	No data available

12.2 Persistence and degradability

Product:

Biodegradability	:	No data available
Physico-chemical removability 12.3 Bioaccumulative potential	:	
Product:		
Bioaccumulation	:	

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)., This mixture



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12.4 Mobility in soil	contains no substance considered to l very bioaccumulating (vPvB).	be very persistent and
Product:		
Mobility Distribution among environmental compartments 12.5 Results of PBT and vPvB a		
Product:		
Assessment	 This mixture contains no substance corpersistent, bioaccumulating and toxic contains no substance considered to livery bioaccumulating (vPvB). This substance/mixture contains no cort to be either persistent, bioaccumulative very persistent and very bioaccumulation.1% or higher. 	(PBT)., This mixture be very persistent and components considered re and toxic (PBT), or
12.6 Other adverse effects		
Product:		
Additional ecological information	: No information on ecology is available	9.
13. Disposal considerations		
13.1 Waste treatment methods		
Product	: The product should not be allowed to courses or the soil.	enter drains, water
	: Waste codes should be assigned by ta application for which the product was	
Contaminated packaging	: Empty containers can be landfilled, whe the local regulations.	hen in accordance with

14. Transport information

14.1 UN number

ADR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

14.2 Proper shipping name ADR Not dangerous goods IMDG



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Not dangerous goods IATA Not dangerous goods

14.3 Transport hazard class

ADR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

14.4 Packing group

ADR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

14.5 Environmental hazards

ADR Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

14.6 Special precautions for user

No special precautions required.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Remarks : Not applicable for product as supplied.

15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Arti	cle 57).
Risk classification according to VbF	Exempt	
Major Accident Hazard Legislation	96/82/EC Update: Not applicable	

15.2 Chemical Safety Assessment

This information is not available.



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16. Other information

Further information

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