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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

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Universal PAO Oil, ISO 68, Universal oil for coating O-rings and threads 8887200009 / 8887200017 / 8887200047

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

Lubricant Sector of use [SU]: SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Chemical product category [PC]: PC24 - Lubricants, greases, release products Process category [PROC]: PROC20 - Use of functional fluids in small devices Article Categories [AC]: AC 1 - Vehicles Environmental Release Category [ERC]: ERC 7 - Use of functional fluid at industrial site Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

Dometic WAECO International GmbH, Hollefeldstr. 63, 48282 Emsdetten, Germany Phone:+49 (0) 2572 879 0, Fax:+49 (0) 2572 879 300

Dometic UK Ltd Dometic House, The Brewery, DT11 9LS Blandford St Mary, Dorset, United Kingdom Phone:+44 (0) 0844 626 0133, Fax:+44 (0) 0844 626 0143 www.waeco.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (CCWA)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP)

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

Not applicable



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2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %). The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2	wixture	

Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	
CAS	
content %	
Classification according to Regulation (EC) 1272/2008 (CLP)	

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Call doctor immediately - have Data Sheet available.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. **4.3 Indication of any immediate medical attention and special treatment needed**

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO2 Dry extinguisher Alcohol resistant foam Water jet spray

Unsuitable extinguishing media

High volume water jet **5.2 Special hazards arising from the substance or mixture**

In case of fire the following can develop: Oxides of carbon



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Toxic pyrolysis products. **5.3 Advice for firefighters** Protective respirator with independent air supply. According to size of fire Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air. Avoid contact with eyes or skin. Do not carry cleaning cloths soaked in product in trouser pockets. If applicable, caution - risk of slipping.

6.2 Environmental precautions

If leakage occurs, dam up.

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Resolve leaks if this possible without risk.

Prevent surface and ground-water infiltration, as well as ground penetration.

If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation. Avoid aerosol formation. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. Do not heat to temperatures close to flash point.

Electrical equipment must be suitable for temperature class T 2 (Germany).

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Not to be stored in gangways or stair wells.

Store product closed and only in original packing. Protect against moisture and store closed.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

WAECO AirCon Service

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8.2 Exposure controls 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

Skin protection - Hand protection: Protective nitrile gloves (EN 374) Minimum layer thickness in mm: >= 0,4 Permeation time (penetration time) in minutes: >= 480 The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective Neoprene® / polychloroprene gloves (EN 374). Protective hand cream recommended.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection: Normally not necessary. If fumes build up, use suitable breathing mask. Gas mask filter A (EN 14387), code colour brown

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Colour: Odour: Odour threshold: pH-value: Melting point/freezing point: Liquid Light yellow Characteristic Not determined Not determined n.a.



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Initial boiling point and boiling range: Flash point: Evaporation rate: Flammability (solid, gas): Lower explosive limit: Upper explosive limit: Vapour pressure: Vapour density (air = 1): Density: Bulk density: Solubility(ies): Water solubility: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties: Oxidising properties: 9.2 Other information Miscibility: Fat solubility / solvent: Conductivity: Surface tension: Solvents content:

Not determined 260 °C Not determined Not determined Not determined Not determined Not determined Not determined 0,835 g/cm3 (15°C) Not determined Not determined Insoluble Not determined No Not determined 68 mm2/s (40°C) Not determined No Not determined

Not determined Not determined Not determined Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

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See also Subsection 10.2 to 10.6. The product has not been tested.

10.2 Chemical stability

See also Subsection 10.1 to 10.6.

Stable with proper storage and handling. 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7. Strong heat Protect from humidity.

10.5 Incompatible materials

See also section 7. Avoid contact with other chemicals.

10.6 Hazardous decomposition products

See also Subsection 10.1 to 10.5. See also section 5.2

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

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00012000037000120001170001200041					
Endpoint	Value	Unit	Organism	Test method	Notes
					n.d.a.
					n.d.a.
					n.d.a.



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Skin corrosion/irritation:			n.d.a.
Serious eye			n.d.a.
damage/irritation:			
Respiratory or skin			n.d.a.
sensitisation:			
Germ cell mutagenicity:			n.d.a.
Carcinogenicity:			n.d.a.
Reproductive toxicity:			n.d.a.
Specific target organ toxicity -			n.d.a.
single exposure (STOT-SE):			
Specific target organ toxicity -			n.d.a.
repeated exposure (STOT-			
RE):			
Aspiration hazard:			n.d.a.
Symptoms:			n.d.a.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).							
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Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	-						n.d.a.
12.1. Toxicity to							n.d.a.
daphnia:							
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and			<20	%		Zahn-Wellens-	Not readily
degradability:						Test	biodegradable
							Mechanical
							precipitation
							possible.
12.3. Bioaccumulative							Concentration
potential:							in organisms
							possible.
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							
12.6. Other adverse							n.d.a.
effects:							
Other information:							According to
							the recipe,
							contains no
							AOX.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be

allocated under certain circumstances. (2014/955/EU)

13 02 08 other engine, gear and lubricating oils

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.



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E.g. suitable incineration plant. **For contaminated packing material** Pay attention to local and national official regulations.

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15 01 02 plastic packaging 15 01 04 metallic packaging Empty container completely. Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements	
14.1. UN number:	n.a.
Transport by road/by rail (ADR/RID)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards: Tunnel restriction code:	Not applicable
Transport by sea (IMDG-code)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Marine Pollutant:	n.a.
14.5. Environmental hazards:	Not applicable
Transport by air (IATA)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n n
14.4. Packing group:	n.a. n.a.
14.5. Environmental hazards:	Not applicable
	Not applicable
14.6. Special precautions for user	af a term and an early the fallence of
Unless specified otherwise, general measures for s	
14.7. Transport in bulk according to A	
Non-dangerous material according to Transport Reg	gulations.
SECTIO	N 15: Regulatory information
	regulations/legislation specific for the substance or mixture
Observe restrictions:	n.a.
General hygiene measures for the handling of chem	nicals are applicable.
Directive 2010/75/EU (VOC):	0 %
15.2 Chemical safety assessment	
A chemical safety assessment is not provided for m	nixtures.
SECT	FION 16: Other information
Revised sections:	1 - 16
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Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP): Not applicable



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The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

Any abbreviations and acronyms used in this document:

AC Article Categories acc., acc. to according, according to ACGIHAmerican Conference of Governmental Industrial Hygienists ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOEL Acceptable Operator Exposure Level AOX Adsorbable organic halogen compounds approximately approx. Article number Art., Art. no. ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) BMGV Biological monitoring guidance value (EH40, UK) BOD Biochemical oxygen demand BSEF Bromine Science and Environmental Forum bw body weight Chemical Abstracts Service CAS CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques **CIPAC** Collaborative International Pesticides Analytical Council CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic COD Chemical oxygen demand CTFA Cosmetic, Toiletry, and Fragrance Association DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon DT50 Dwell Time - 50% reduction of start concentration DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.g. EC European Community ECHA European Chemicals Agency European Economic Area EEA EEC European Economic Community **EINECS** European Inventory of Existing Commercial Chemical Substances **ELINCS** European List of Notified Chemical Substances ΕN **European Norms** EPA United States Environmental Protection Agency (United States of America) ERC **Environmental Release Categories** ES Exposure scenario et cetera etc. ΕU European Union EWC European Waste Catalogue Fax. Fax number general gen. GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential HET-CAM Hen's Egg Test - Chorionallantoic Membrane



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HGWP Halocarbon Global Warming Potential IARC International Agency for Research on Cancer	
IATA International Air Transport Association	
IBC Intermediate Bulk Container	
IBC (Code) International Bulk Chemical (Code)	
IC Inhibitory concentration IMDG-code International Maritime Code for Dangerous Goods	
incl. including, inclusive	
IUCLIDInternational Uniform ChemicaL Information Database	
LC lethal concentration	
LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration	
LD Lethal Dose of a chemical	
LD50 Lethal Dose, 50% kill	
LDLo Lethal Dose Low	
LOAELLowest Observed Adverse Effect Level	
LOEC Lowest Observed Effect Concentration LOEL Lowest Observed Effect Level	
LQ Limited Quantities	
MARPOL International Convention for the Prevention of Marine Pollution from Ships	
n.a. not applicable	
n.av. not available n.c. not checked	
n.d.a. no data available	
NIOSHNational Institute of Occupational Safety and Health (United States of America)	
NOAEC No Observed Adverse Effective Concentration	
NOAEL No Observed Adverse Effect Level NOEC No Observed Effect Concentration	
NOEL No Observed Effect Level	
ODP Ozone Depletion Potential	
OECD Organisation for Economic Co-operation and Development	
org. organic PAH polycyclic aromatic hydrocarbon	
PBT persistent, bioaccumulative and toxic	
PC Chemical product category	
PE Polyethylene	
PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential	
ppm parts per million	
PROC Process category	
PTFE Polytetrafluorethylene	2) N. 4007/0000
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC the Registration, Evaluation, Authorisation and Restriction of Chemicals)) No 1907/2006 concerning
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS	S No. or other numerical
identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for	
REACH-IT.	
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Re International Carriage of Dangerous Goods by Rail)	gulation concerning the
SADT Self-Accelerating Decomposition Temperature	
SAR Structure Activity Relationship	
SU Sector of use	
SVHC Substances of Very High Concern Tel. Telephone	
ThOD Theoretical oxygen demand	
TOC Total organic carbon	
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)	
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))	
VOC Volatile organic compounds	
vPvB very persistent and very bioaccumulative	



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WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK). WHO World Health Organization

wwt wet weight

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The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by: Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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