

Revision: 5 Oct 2016

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**SAFETY DATA SHEET**

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

## 1.1 Product identifier

- Product Name: AR9100
- Product Part Number: AR9100
- Contains paraffin oil

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

- Use of the substance/mixture: Friction modifier
- Use advised against: No information available

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

- Name of Supplier: Archoil EU
- Address of Supplier: Unit 14 Rookery Business Park  
Silver Street  
Besthorpe  
Norfolk  
UK  
NR17 2LD
- Telephone: +44 (0)1953 456896
- Email: support@archoil.eu

## 1.4 Emergency telephone number

- Emergency Telephone: (+)1 760 476 3962  
3E Contract Number: 334068
- 

**SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Eye Irrit. 2, H319
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

## 2.2 Label elements



GHS07

- Signal Word: Warning
  - Contains paraffin oil
  - Hazard statements  
H319 - Causes serious eye irritation.
  - Precautionary statements  
P264 - Wash thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/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.  
P337+P313 - If eye irritation persists: Get medical advice/attention.
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**SECTION 2: Hazards identification (....)**

Supplemental Hazard Information (EU)  
None

**2.3 Other hazards**

- Not a PBT according to REACH Annex XIII
  - Not a vPvB according to REACH Annex XIII
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**SECTION 3: Composition/information on ingredients****3.1 Substances****3.2 Mixtures**

- Paraffin oil  
Concentration: <15%  
CAS Number: 8012-95-1  
EC Number: 232-384-2  
Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Eye Irrit. 2, H319  
Substance with a workplace exposure limit, see Section 8
- 

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Contact with eyes  
If substance has got into eyes, immediately wash out with plenty of water for several minutes  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.
- Contact with skin  
Remove contaminated clothing  
Gently wash with plenty of soap and water.  
Contaminated clothing should be laundered before reuse
- Ingestion  
Get immediate medical advice/attention.  
Do NOT induce vomiting.  
If vomiting occurs turn patient on side  
Keep warm and at rest, in a half upright position. Loosen clothing
- Inhalation  
Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention.

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

- Contact with eyes  
Causes severe irritation
  - Contact with skin  
May cause irritation
  - Ingestion  
May cause nausea/vomiting
  - Inhalation  
May cause respiratory irritation
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**SECTION 4: First aid measures (....)**

May cause drowsiness  
May cause dizziness

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

- Treat symptomatically
- 

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- In case of fire: use foam, carbon dioxide or dry agent to extinguish.
- Unsuitable extinguishing media: high volume water jet

**5.2 Special hazards arising from the substance or mixture**

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides

**5.3 Advice for firefighters**

- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
  - Keep container(s) exposed to fire cool, by spraying with water
  - Collect contaminated fire extinguishing water separately. This **MUST** not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- 

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Personal precautions for non-emergency personnel: Eliminate all ignition sources if safe to do so; Ensure adequate ventilation; Avoid contact with skin and eyes; Avoid breathing vapours, mist or gas; Wear protective clothing as per section 8; Wash thoroughly after handling.
- Personal precautions for emergency responders: Wear chemical protection suit, Wear self-contained breathing apparatus (SCBA).

**6.2 Environmental precautions**

- Avoid release to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

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

- Stop leak if safe to do so.
- Contain leaking liquid in earth or sand and remove to safe place when solid
- Use only non-sparking tools.
- Place in appropriate container
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Seek expert advice for removal and disposal of all contaminated materials and wastes
  
- Ventilate the area and wash spill site after material pick-up is complete

**6.4 Reference to other sections**

- See Section 8 & 13
- 

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

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## SECTION 7: Handling and storage (....)

- Ensure adequate ventilation
- Avoid breathing vapours, mist or gas
- Do not get in eyes, on skin, or on clothing.
- Wear protective gloves/protective clothing/eye protection/face protection.
- When using do not eat, drink or smoke
- Shut off all ignition sources
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse
- Wash hands and working surfaces thoroughly after handling.
- Ensure eyewash stations and safety showers are close to hand.

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

- Keep away from oxidisers, heat, flames or ignition sources
- Protect from sunlight.
- Store locked up.
- Keep only in original container.
- Store in a well-ventilated place. Keep cool.
- Do not reuse empty containers without commercial cleaning or reconditioning
- This material and/or its container must be disposed of as hazardous waste

### 7.3 Specific end use(s)

- Friction modifier

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- Paraffin oil  
WEL (short term) 10 mg/m<sup>3</sup> (UK)

### 8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable filtering half mask respirator approved to standard EN 149
- Wear suitable protective clothing, eye/face protection and gloves
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear goggles giving complete eye protection
- Use good personal hygiene practices
- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse
- Eyewash bottles should be available



Gloves



Goggles



Boots



Respirator



Suit



No Smoking



No Flames

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties



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**SECTION 9: Physical and chemical properties (....)**

- Appearance: Liquid, brown
- Odour: Solvent odour
- Odour threshold: No information available
- pH: No information available
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: 210°C c.c.
- Evaporation Rate: No information available
- Flammability (solid,gas): Not flammable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: 1 @ 25°C
- Solubility(ies): insoluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: Non-explosive
- Oxidising Properties: Not oxidising

## 9.2 Other information

- None
- 

**SECTION 10: Stability and reactivity**

## 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

## 10.2 Chemical stability

- Stable under normal conditions

## 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

## 10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Keep away from direct sunlight

## 10.5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with acids and alkalis

## 10.6 Hazardous decomposition products

- Decomposition products may include toxic and irritant fumes
  - Decomposition products may include carbon oxides
- 

**SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

- Acute Toxicity
    - No experimental data available
    - Based on available data, the classification criteria are not met
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**SECTION 11: Toxicological information (....)**

- Skin corrosion/irritation  
Based on available data, the classification criteria are not met
- Serious eye damage/irritation  
Causes serious eye irritation.  
Classification based on calculation and concentration thresholds
- Respiratory or skin sensitisation  
Based on available data, the classification criteria are not met
- Germ cell mutagenicity  
No evidence of mutagenic effects
- Carcinogenicity  
No evidence of carcinogenic effects
- Reproductive toxicity  
No evidence of reproductive effects
- Specific target organ toxicity (STOT) - single exposure  
Based on available data, the classification criteria are not met
- Specific target organ toxicity (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
- Contact with eyes  
Causes serious eye irritation.  
Causes redness and swelling
- Contact with skin  
May cause skin irritation
- Ingestion  
May cause nausea/vomiting
- Inhalation  
May cause irritation and inflammation of the respiratory tract  
May cause dizziness  
May cause drowsiness

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**SECTION 12: Ecological information****12.1 Toxicity**

- Based on available data, the classification criteria are not met
- Paraffin oil  
LC50 (fish) 100 mg/l (96 hr)

**12.2 Persistence and degradability**

- No information available

**12.3 Bioaccumulative potential**

- No information available

**12.4 Mobility in soil**

- No information available

**12.5 Results of PBT and vPvB assessment**

- Not a PBT according to REACH Annex XIII

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**SECTION 12: Ecological information (....)**

- Not a vPvB according to REACH Annex XIII
- 12.6 Other adverse effects
- No information available
- 

**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

- This material and its container must be disposed of as hazardous waste
- Disposal should be in accordance with local, state or national legislation
- Contaminated absorbent must be removed in sealed, plastic lined drums.
- Dispose of contents/container to an authorised waste collection point
- Do not empty into drains; dispose of this material and its container in a safe way

## 13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
  - Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
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**SECTION 14: Transport information**

Not classified as hazardous for transport

## 14.1 UN number

- UN No.: Not applicable

## 14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

## 14.3 Transport hazard class(es)

- Hazard Class: Not applicable

## 14.4 Packing group

- Packing Group: Not applicable

## 14.5 Environmental hazards

- Not Classified

## 14.6 Special precautions for user

- Not Classified

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable

## 14.8 Road/Rail (ADR/RID)

- ADR UN No.: Not applicable
- Proper Shipping Name: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

## 14.9 Sea (IMDG)

- IMDG UN No.: Not applicable
  - Proper Shipping Name: Not applicable
  - IMDG Hazard Class: Not applicable
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**SECTION 14: Transport information (....)**

- IMDG Pack Group.: Not applicable
- 14.10 Air (ICAO/IATA)
- ICAO UN No.: Not applicable
  - Proper Shipping Name: Not applicable
  - ICAO Hazard Class: Not applicable
  - ICAO Packing Group: Not applicable
- 

**SECTION 15: Regulatory information**

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

- This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical safety assessment

- No information available
- 

**SECTION 16: Other information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision No. 2.0.0. Revised October 2016.

Changes made: EU Format

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Irrit. 2, H319: Classification based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H319: Causes serious eye irritation.

--- end of safety datasheet ---

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