



## SAFETY DATA SHEET

### BIRAL FIO - FOOD INDUSTRIAL OIL

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

##### 1.1. Product identifier

**Product name** BIRAL FIO - FOOD INDUSTRIAL OIL

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

**Applications** Grease.

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

Name, address, and telephone number of the chemical manufacturer, distributor, importer, or other responsible party:

Advantage Dist. & Lubricants, LLC  
3434 Marion Road SE  
Rochester, MN 55904  
United States of America  
www.advantagelubes.com  
www.biral-usa.com

**Phone number:** +01 (800) 420-1414 +01 (507) 289-5555

**E-mail address:** info@advantagelubes.com

**Emergency phone number:** CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

#### SECTION 2: Hazards identification

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

**Hazard communication CLP** Not regarded as a health, fire, explosion or environmental hazard under current legislation.

##### 2.2. Label elements

CLP

##### Precautionary statements

P102 Keep out of reach of children.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

##### 2.3. Other hazards

**Meets the criteria for vPvB** No.

**Meets the criteria for PBT** No.

**Other hazards which do not contribute to classification** No known risks.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

##### Ingredients

Name	EC No.	CAS No.	Content	Symbol	Classification
white mineral oil (petroleum)	232-455-8	8042-47-5	60-100 %	-	

## CLP

Name	REACH No.	Content	Symbol	Classification	CAS No.
white mineral oil (petroleum)		60-100 %			8042-47-5

Section 16 contains detailed classification phrases.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General** Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Contact physician if discomfort continues.

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

**Specific first aid treatment** No data.

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

**Inhalation** Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion** Rinse nose, mouth and throat with water. Give 5 tablespoons active carbon stirred in as little water as possible. Do not give victim anything to drink if he is unconscious. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

**Skin** Wash skin with soap and water. Contact physician if irritation continues.

**Eyes** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Extinguishing media** Powder, foam or CO<sub>2</sub>.  
DO NOT use water if avoidable.

**Special fire fighting procedures** Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** Fire creates: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

### 5.3. Advice for firefighters

**Protective measures in fire** Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

## SECTION 6: Accidental release measures

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

**Personal protection** Wear appropriate personal protective equipment - see Section 8.

### 6.2. Environmental precautions

**Environmental protection** Runoff or release to sewer, waterway or ground is forbidden.

### 6.3. Methods and material for containment and cleaning up

**Spill cleanup methods** Absorb in vermiculite, dry sand or earth and place into containers. Collected material shall be disposed of in closed container according to local authority requirements. Inform Authorities if large amounts are involved.

### 6.4. Reference to other sections

See section 13 for waste handling.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling, skin and eye contact.

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

**Storage precautions** Keep in cool, dry, ventilated storage and closed containers.  
Recommended storage not above 1 year.

#### 7.3. Specific end use(s)

**Specific use(s)** Contact supplier for more information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
Oil mist (mineraloil particles)		WEL.	1 mg/m3		
Oil mist		WEL.	50 mg/m3		

**Ingredient comments** Occupational exposure standard for oil mist, mineral, is 1 mg/m3 (2003).  
Occupational exposure for oil vapour is 50 mg/m3 (2003).  
AN = Norwegian Exposure Limits.

**Process conditions** Provide eyewash station.

**Ventilation** Well ventilated area.

### 8.2. Exposure controls

**Respirators** If working operation generates dust or spray mist, use respiratory protection with combination filter (dust filter + gas filter). CCROVDM, CCR with organic vapour cartridge and dust and mist filter.

**Protective gloves** Use protective gloves made of: Nitrile. Polyvinyl alcohol (PVA).  
Time of breakthrough is not known, change gloves regularly. (according to standard EN 374).

**Eye protection** Wear approved chemical safety goggles where eye exposure is reasonably probable. (EN 166)

**Other Protection** Protective clothing as needed.

**Hygienic work practices** Wash at the end of each work shift and before eating, smoking and using the toilet.

**DNEL** No data.

**PNEC** No data.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance** Liquid.

**Colour** Water-white.

**Odour** Oil.

**Density (g/cm<sup>3</sup>)** 0,9 **Temperature (°C)** 20

**Viscosity (interval)** 18 cSt **Temperature (°C)** 40

**Flash point (°C)** 174 **Method** CC (Closed cup).

### 9.2. Other information

**Safety information** Not known.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No incompatible groups noted.

### 10.2. Chemical stability

	Normally stable.
<b>10.3. Possibility of hazardous reactions</b>	
<b>Hazardous polymerisation</b>	Will not polymerise.
<b>10.4. Conditions to avoid</b>	
	No known risk factors.
<b>10.5. Incompatible materials</b>	
<b>Materials to avoid</b>	No information.
<b>10.6. Hazardous decomposition products</b>	
<b>Hazardous decomp. products</b>	High temperatures generate: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Irritating gases/vapour/smoke.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Sensitization</b>	No allergic reaction is known.
<b>Genotoxicity</b>	No known heritable or mutagenic effects.
<b>Carcinogenicity</b>	No cancer hazard.
<b>Reproduction toxicity</b>	No known reproductive effects.
<b>Inhalation</b>	May cause irritation to the respiratory system.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin</b>	Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
<b>Eyes</b>	Splash in the eyes may cause irritation.
<b>Medical considerations</b>	Symptomatic treatment. Contact: The National Poisons Information Centre, telephone +47-22 59 13 00.
<b>COMPONENT:</b>	<b>white mineral oil (petroleum)</b>
<b>Toxic dose - LD50:</b>	> 5000 mg/kg (oral rat)

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Ecotoxicity</b>	Not regarded as dangerous to the environment. This does not, however, rule out the possibility that large or frequent smaller emissions of the product may be harmful to the environment.
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### 12.2. Persistence and degradability

Unknown.

### 12.3. Bioaccumulative potential

Unknown.

### 12.4. Mobility in soil

<b>Mobility</b>	Insoluble in water.
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### 12.5. Results of PBT and vPvB assessment

<b>PTB/vPvB</b>	No data available.
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### 12.6. Other adverse effects

Not known.

<b>COMPONENT:</b>	<b>white mineral oil (petroleum)</b>
<b>LC 50, 96 Hrs, Fish mg/l:</b>	>10000 (Lepomis macrochirus)
<b>Partition coefficient (log Pow)</b>	>3
<b>Persistence and degradability</b>	24 % deg., 28 days, Method: OECD 301B

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

<b>General/cleaning</b>	The product is hazardous waste.
<b>Disposal methods</b>	Collect in marked containers and deliver to approved depot.
<b>Waste class</b>	13 02 05* mineral-based non-chlorinated engine, gear and lubricating oils The given EWC-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code.

**SECTION 14: Transport information**

<b>General</b>	No dangerous goods (ADR/RID, IMDG, IATA/ICAO)
<b>14.1. UN number</b>	
<b>14.2. UN proper shipping name</b>	
<b>14.3. Transport hazard class(es)</b>	
<b>14.4. Packing group</b>	
<b>14.5. Environmental hazards</b>	
<b>14.6. Special precautions for user</b>	
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	No IBC-code for bulk transport offshore.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>EU directives</b>	EC-regulation 453/2010/EC (CLP), 1907/2006/EC (REACH), 1272/2008/EC, 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
<b>Other information</b>	Safety Data Sheet has been prepared using information provided by the manufacturer.
<b>15.2. Chemical safety assessment</b>	
<b>Chemical Safety Assessment</b>	Chemical Safety Report (CSR) has not been carried out for this product.

**SECTION 16: Other information****Explanations to R-phrases in section 3****Explanations to classification in section 3****\* Information revised since the previous version of the SDS**

<b>Revision comments</b>	Only small changes. Revision 26.02.2010 no. 4: supersede SDS of 02.04.2008. No change of composition or product classification. Revision 17.04.2011 no. 5: supersede SDS of 26.02.2010. No change of composition or product classification. Revision 20.12.2012 no. 6: supersede SDS of 17.04.2011. No change of composition or product classification.
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