

# Biodegradable Hydraulic Oil HVI 46 Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 30-9-2009 Revision date: 29-1-2015 version: 4.1

roduct form				
Product form :		Mixture		
Product name :		Biodegradable Hydraulic Oil HVI 4	16	
Product code :		30000BIO		
.2. Relevant	t identified uses of the substand	e or mixture and uses advised	against	
.2.1. Relevant	identified uses			
lain use category	: F	Professional use,Industrial use		
lse of the substan	ce/mixture : I	Hydraulic fluids		
unction or use cat	egory : H	Hydraulic fluids and additives		
	vised against			
lo additional inform				
.3. Details of APM International	f the supplier of the safety data	Sheet		
nfo@mpmoil.nl - w	30 - F +31 (0)15 2514031			
Emergency numbe	r :-	+31 (0)15 2514030 (08.00 - 17.00	0 GMT+1)	
Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
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#### Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
After inhalation	: Take victim to fresh air, in a quiet place and if necessary take medical advice.
After skin contact	: After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, consult a specialist.
After eye contact	In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minute holding eyelids apart. Subsequently consult an ophthalmologist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
After ingestion	: If swallowed, do not induce vomiting: seek medical advice immediately and show this containe label.
4.2. Most important symptoms and eff	ects, both acute and delayed
No additional information available	
4.3. Indication of any immediate media	cal attention and special treatment needed
First Aid, decontamination, treatment of sympt	oms.
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Powder. Foam.
Unsuitable extinguishing media	: High power water jet.
5.2. Special hazards arising from the s	substance or mixture
Explosion hazard	: Heat from a fire could result in drum bursting.
5.3. Advice for firefighters	
Precautionary measures fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: In case of fire: Wear self-contained breathing apparatus.
Other information	: Use water spray/stream to protect personnel and to cool endangered containers. Cover liquid spill with foam or sand/earth.
<b>SECTION 6: Accidental release me</b>	asures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Keep public away. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Keep away from sources of ignition - No smoking.
6.1.1. For non-emergency personnel	
Protective equipment	: Wear suitable protective clothing and eye/face protection.
6.1.2. For emergency responders	
Protective equipment	: Wear suitable protective clothing and eye/face protection.
6.2. Environmental precautions	
Notify authorities if liquid enters sewers or pub	lic waters. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).
6.3. Methods and material for contain	
For containment	: Stop leak if safe to do so. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).
Methods for cleaning up	: Clean up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).
Other information	: Can be slippery on hard, smooth walking area.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: If suction of the immediate vicinity is impossible or insufficient, adequate airing of the working place must be ensured.
Hygiene measures	: When using do not eat, drink or smoke. Avoid all unnecessary exposure. Wash hands before breaks and at the end of work.
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7.2. Conditions for safe storage, inclu	Conditions for safe storage, including any incompatibilities		
Technical measures	: Keep only in the original container in a cool, well-ventilated place.		
Storage temperature	: ≥65 °C		
Storage area	: Keep container tightly closed in a cool, well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces No smoking.		
Special rules on packaging	: Keep container tightly closed. Keep/Store only in original container.		
7.3. Specific end use(s)			

No additional information available

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

#### Technical measures:

Ensure adequate ventilation of the storage area.

#### Personal protective equipment:

Gloves.

#### Hand protection:

Wear suitable gloves. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

#### Eye protection:

Tightly sealed safety glasses.

#### Skin and body protection:

Wear suitable protective clothing, gloves and eye/face protection.

#### Respiratory protection:

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.



SECTION 9: Physical and chemica	
9.1. Information on basic physical an	d chemical properties
Physical state	: Liquid
Colour	: Yellow.
Odour	: characteristic.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: -36 °C ASTM D97
Boiling point	: > °C
Flash point	: 270 °C ASTM D92
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 10-3 mm Hg
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 915 g/I ASTM D 1298
Solubility	: Water: Negligible.
Log Pow	: No data available

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Viscosity, kinematic	: 46 mm²/s @ 40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and rea	activity
10.1. Reactivity	
On burning: release of harmful/irritant g	ases/vapours e.g.: carbon monoxide - carbon dioxide.
10.2. Chemical stability	
The product is stable at normal handling	g- and storage conditions.
10.3. Possibility of hazardous rea	actions
No additional information available	
10.4. Conditions to avoid	
Oxidizing substances.	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition	products
On burning: release of harmful/irritant g	ases/vapours e.g.: carbon monoxide - carbon dioxide.
SECTION 11: Toxicological in	formation

SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Biodegradable Hydraulic Oil HVI 46	
LD50 oral rat	> 5 g/kg
LD50 dermal rat	> 5 g/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Biodegradable Hydraulic Oil HVI 46	
Viscosity, kinematic	46 mm²/s @ 40°C

SECTI	ON 12: Ecological information		
12.1.	Toxicity		
General	:	Do not allow uncontrolled leakage of product into the environment. Some of the componen are biologically degradable with difficulty.	ts
12.2.	Persistence and degradability		
No addit	tional information available		
12.3.	Bioaccumulative potential		
No addit	tional information available		
12.4.	Mobility in soil		
No addit	tional information available		
12.5.	Results of PBT and vPvB assessment		
No addit	tional information available		
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#### 12.6. Other adverse effects

#### No additional information available

### SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

European List of Waste (LoW) code : 13 01 12\* - readily biodegradable hydraulic oils

#### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG		
14.1. UN number			
Not applicable	Not applicable		
14.2. UN proper shipping name			
Not applicable	Not applicable		
14.3. Transport hazard class(es)			
Not applicable	Not applicable		
Not applicable	Not applicable		
14.4. Packing group			
Not applicable	Not applicable		
14.5. Environmental hazards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No		
No supplementary i	nformation available		

#### 14.6. Special precautions for user

#### - Overland transport

No data available

- Transport by sea No data available

#### NO Gala available

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

Not applicable

#### SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### **SECTION 16: Other information**

### Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 3-(diisobutoxy-thiophosphorylsulfanyl)-2-methyl-propionic acid(268567-32-4). May produce an allergic reaction.

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EUH210 Safety data sheet

SDS MPM REACH

Safety data sheet available on request.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product