

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### MITANOL M-Force 10W-40 Advance

Revision date: 16.06.2020

Product code: MIT0108

Page 1 of 7

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

##### 1.1. Product identifier

MITANOL M-Force 10W-40 Advance

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

###### Use of the substance/mixture

Motor oil multigrade

###### Uses advised against

No information available.

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

Company name:	MITAN Mineralöl GmbH	
Street:	Industriestraße 8	
Place:	D-49577 Ankum	
Telephone:	+49 (0)5462/7470-50	Telefax: +49 (0)5462/7470-33
e-mail:	info@mitan-oil.de	
e-mail (Contact person):	sicherheitsdatenblatt@mitan-oil.de	
Internet:	www.mitan-oil.de	

##### 1.4. Emergency telephone number:

Giftinformationszentrum Nord (Göttingen)  
+49 (0)551/19240

#### SECTION 2: Hazards identification

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

###### Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

##### 2.2. Label elements

##### 2.3. Other hazards

No information available.

The product contains less than 3% DMSO extract (method IP346). A classification as a carcinogen with R45 is deleted. (Note L)

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

##### 3.2. Mixtures

###### Chemical characterization

Preparation of base oils and additives.

###### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic	50-100 %
	265-157-1	
	649-467-00-8	
	01-2119484627-25	
	Asp. Tox. 1; H304	
	Calcium alkyl phenates sulfide, long chain	<2,5 %
	Aquatic Chronic 4; H413	

Full text of H and EUH statements: see section 16.

according to Regulation (EC) No 1907/2006

**MITANOL M-Force 10W-40 Advance**

Revision date: 16.06.2020

Product code: MIT0108

Page 2 of 7

**Further Information**

The product contains less than 3% DMSO extract (method IP346). A classification as a carcinogen with R45 is deleted. (Note L)

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

Remove affected person from the danger area and lay down.

**After inhalation**

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After contact with skin**

Take off contaminated clothing and wash it before reuse.  
After contact with skin, wash immediately with plenty of water and soap.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Get medical advice/attention if you feel unwell.

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

No information available.

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

Treat symptomatically. No information available.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder Water spray jet  
In case of major fire and large quantities: Water spray jet  
Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

High power water jet.

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

Non-flammable. In case of fire may be liberated:  
Carbon dioxide (CO<sub>2</sub>).  
Carbon monoxide

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

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

Keep people at a distance and stay on the windward side.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

according to Regulation (EC) No 1907/2006

**MITANOL M-Force 10W-40 Advance**

Revision date: 16.06.2020

Product code: MIT0108

Page 3 of 7

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Avoid formation of oil dust.

**Advice on protection against fire and explosion**

No special measures are necessary.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed. Note Regulation on facilities for the storage, filling and handling water-polluting substances. ...

**Hints on joint storage**

Do not store together with: Food flavouring and nutrient

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

**8.1. Control parameters**

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic			
Worker DNEL, long-term		inhalation	local	5,4 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	1,2 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	Value
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic	
Secondary poisoning		9,33 mg/kg

**Additional advice on limit values**

To date, no national critical limit values exist.

**8.2. Exposure controls**



**Appropriate engineering controls**

The usual precautionary measures are to be adhered to when handling chemicals.

**Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

according to Regulation (EC) No 1907/2006

**MITANOL M-Force 10W-40 Advance**

Revision date: 16.06.2020

Product code: MIT0108

Page 4 of 7

**Eye/face protection**

Wear eye protection/face protection. Dust protection eye glasses

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**SECTION 9: Physical and chemical properties**

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

Physical state:	Liquid
Colour:	brown
Odour:	Mineral-oil-like

pH-Value:	not determined	<b>Test method</b>
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**Changes in the physical state**

Melting point:	not determined	
Initial boiling point and boiling range:	not determined	
Pour point:	-36 °C	ISO 3016
Flash point:	222 °C	DIN ISO 2592

**Flammability**

Solid:	not applicable
Gas:	not applicable

**Explosive properties**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower explosion limits:	0,6 vol. %
Upper explosion limits:	6,5 vol. %

**Auto-ignition temperature**

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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**Oxidizing properties**

Not oxidising.

Vapour pressure:	not determined
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Density (at 20 °C):	0,858 g/cm <sup>3</sup>	DIN 51757
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Water solubility:	Immiscible
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**Solubility in other solvents**

not determined

according to Regulation (EC) No 1907/2006

**MITANOL M-Force 10W-40 Advance**

Revision date: 16.06.2020

Product code: MIT0108

Page 5 of 7

Partition coefficient:	not determined
Viscosity / kinematic: (at 40 °C)	97,4 mm <sup>2</sup> /s DIN 51562
Vapour density:	not determined
Evaporation rate:	not determined

**9.2. Other information**

Solid content:	not determined
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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

No decomposition if used according to specifications.

**10.3. Possibility of hazardous reactions**

Oxidising agent, strong

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic				
	oral	LD50 mg/kg	>5000	Rat	ECHA Dossier OECD 401
	dermal	LD50 mg/kg	>2000	Rabbit	ECHA Dossier OECD 402

**Additional information on tests**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**Further information**

The product contains less than 3% DMSO extract (method IP346). A classification as a carcinogen with R45 is deleted. (Note L)

**SECTION 12: Ecological information**

**12.1. Toxicity**

The product is not: Ecotoxic.

**12.2. Persistence and degradability**

The product has not been tested.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### MITANOL M-Force 10W-40 Advance

Revision date: 16.06.2020

Product code: MIT0108

Page 6 of 7

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64742-54-7	Baseoil - unspecified, Distillates (petroleum), hydrotreated heavy paraffinic			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	31%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	2-4%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			

#### **12.3. Bioaccumulative potential**

Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

#### **12.4. Mobility in soil**

The product can easily be separated by an oil separator (skimmer) of the water surface.

#### **12.5. Results of PBT and vPvB assessment**

The product has not been tested.

#### **12.6. Other adverse effects**

No information available.

#### **Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **Inland waterways transport (ADN)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

<b><u>14.1. UN number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### MITANOL M-Force 10W-40 Advance

Revision date: 16.06.2020

Product code: MIT0108

Page 7 of 7

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.

**14.4. Packing group:** No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

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

##### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,13,15,16.

#### Abbreviations and acronyms

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 Harmonized 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  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.  
H413 May cause long lasting harmful effects to aquatic life.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*