




---

## Adformol EPW 100

### Extreme Pressure Metal Forming Oil

---

#### Description; Description

Adformol EPW 100 is a medium viscosity high quality extreme pressure metal forming oil. It consists of a highly refined mineral oil and very high concentrations of extreme pressure additives to provide the necessary anti wear properties for these types of operations.

Adformol EPW 100 also contains a tackiness additive to improve adhesion to the tool and workpiece surface. A thermally stable emulsifying agent has also been incorporated into the product to facilitate easy water washability.

---

#### Applications; Applications

Adformol EPW 100 was developed for arduous forming operations on sheet steel. Its excellent adhesive qualities combine with the extreme pressure properties to provide the high film strength necessary to withstand the loads, temperatures and pressures encountered in severe metal deformation processes.

Adformol EPW 100 is recommended in applications where water washability is required or desired.

Adformol EPW 100 can be applied by pump, dip and brush methods.

---

#### Main Benefits; Main Benefits

- High level of additional lubricity and extreme pressure properties to provide excellent surface finish
- Applied by all conventional methods
- Excellent adhesion to components, even of complex shape

- Easy removal from components by water washing or by solvent degreasants
- Good heat removal rate
- Water washability eliminates the need for costly/hazardous solvent degreasants

---

#### Storage; Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration  
; All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration

of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.; of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

---

#### Health, Safety and Environment; Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards,

BP Lubricants and Special Products Ltd. or its subsidiaries will not accept liability if the product is used other than in the manner or with the

precautions and First Aid measures, together with environmental effects and disposal of used products.; Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office.; BP Lubricants and Special Products Ltd. or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local BP office.

## Typical Characteristics; Typical Characteristics

Test Methods; Test Methods	Units; Units	Grade ;: Grade :
----------------------------	--------------	------------------

### Adformol EPW 100

Appearance brown

Density at 15°C ISO3675, ASTMD1298 kg/m<sup>3</sup> 912

Kinematic Viscosity at 40°C ISO3105, ASTMD445 mm<sup>2</sup>/s 120

Flash Point (PMC) ISO2719, ASTMD93 °C 194

Pour Point ISO3016, ASTMD97 °C -3

Copper Corrosion ISO2160, ASTMD130 4b

4-Ball Weld Load ASTMD2783 N 5600

*The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.*

**This Data Sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication.; This Data Sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication.**

**It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. No statement made in this publication shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence.; It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. No statement made in this publication shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence.**

**The Seller shall not be responsible for any loss or damage resulting from any hazards or risks identified in the data sheet and which are associated with petroleum products concerned (provided that this disclaimer shall not affect any statutory rights of the Buyer of the petroleum products concerned).; The Seller shall not be responsible for any loss or damage resulting from any hazards or risks identified in the data sheet and which are associated with petroleum products concerned (provided that this disclaimer shall not affect any statutory rights of the Buyer of the petroleum products concerned).**

BP Lubricants and Special Products Limited  
Witan Gate House Lubricants Helpline: 0845 - 6031080  
500/600 Witan Gate Fax: 0845 - 6031070  
MILTON KEYNES  
MK9 1ES © BP Oil UK Ltd.; BP Lubricants and Special Products Limited  
Witan Gate House Lubricants Helpline: 0845 - 6031080  
500/600 Witan Gate Fax: 0845 - 6031070  
MILTON KEYNES  
MK9 1ES © BP Oil UK Ltd.

Date Created: 20/08/1993 10:39:35 Last Modified: 04/10/2005