



## SAFETY DATA SHEET UNIVAR CALIBRATION FLUID 1487

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

#### 1.1. Product identifier

**Product name** UNIVAR CALIBRATION FLUID 1487

**Product number** 14101

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

**Identified uses** Chemical Lubricant. Grease. Industrial application

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

**Supplier** Univar  
Aquarius House  
6 Mid Point Business Park  
Bradford  
BD3 7AY  
+44 1274 267300  
sds@univar.com  
+44 1274 267306

#### 1.4. Emergency telephone number

**Emergency Contact Number** (Outside Office Hours) SGS - +32 (0)3 575 55 55 (24h)

**Emergency Contact Number** (Office Hours) +44 1274 267346

**Sds No.** 14101

### SECTION 2: Hazards identification

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

##### Classification (EC/1272/2008)

**Physical hazards** Not Classified

**Health hazards** Asp. Tox. 1 - H304

**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** Xn; R65. R66

#### 2.2. Label elements

**Pictogram**



**Signal word** Danger

## UNIVAR CALIBRATION FLUID 1487

<b>Hazard statements</b>	H304 May be fatal if swallowed and enters airways.
<b>Precautionary statements</b>	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking.
<b>Contains</b>	HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS, WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>HYDROCARBONS, C14-C18, N-ALKANES, ISOALKANES, CYCLICS, &lt;2% AROMATICS</b>	<b>60-100%</b>
CAS number: —	EC number: 927-632-8
	REACH registration number: 01-2119457736-27-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Asp. Tox. 1 - H304	Xn; R65

  

<b>WHITE MINERAL OIL (PETROLEUM) VISCOSITY &lt;20.5 CST</b>	<b>10-30%</b>
CAS number: 8042-47-5	EC number: 232-455-8
	REACH registration number: 01-2119487078-27-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Asp. Tox. 1 - H304	Xn; R65

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**      The data shown are in accordance with the latest EC Directives.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

**Inhalation**      Congestion of the lungs may occur, producing severe shortness of breath.

## UNIVAR CALIBRATION FLUID 1487

<b>Skin contact</b>	Slightly irritating.
<b>Eye contact</b>	May cause temporary eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
-----------------------------	---

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
-------------------------------------	---

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

<b>Specific hazards</b>	Oxides of the following substances: Carbon. Sulphur.
-------------------------	--

### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.
---	--

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
--	---

## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
-----------------------------	---

### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
----------------------------------	---

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

<b>Methods for cleaning up</b>	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
--------------------------------	---

### **6.4. Reference to other sections**

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
------------------------------------	---

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray/mists. Provide adequate ventilation.
--------------------------	--

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

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.
----------------------------	--

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

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
----------------------------	---

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

### **8.1. Control parameters**

<b>Ingredient comments</b>	WEL = Workplace Exposure Limits
----------------------------	---------------------------------

## UNIVAR CALIBRATION FLUID 1487

### WHITE MINERAL OIL (PETROLEUM) VISCOSITY <20.5 CST (CAS: 8042-47-5)

#### DNEL

Industry - Dermal; : 220 mg/kg/day  
 Industry - Inhalation; : 160 mg/m<sup>3</sup>  
 Consumer - Dermal; : 92 mg/kg/day  
 Consumer - Inhalation; : 35 mg/m<sup>3</sup>  
 Consumer - Oral; : 40 mg/kg/day

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

#### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Liquid.
Colour	Light brown.
Odour	Characteristic.
Flash point	104°C
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 7.0 % Lower flammable/explosive limit: 0.6 %
Relative density	0.825 @ 20°C
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	200°C
Viscosity	2.62 m <sup>2</sup> /s @ 40°C

#### 9.2. Other information

Other information Not determined.

### SECTION 10: Stability and reactivity

## UNIVAR CALIBRATION FLUID 1487

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not available.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Inhalation** May cause respiratory system irritation.

**Ingestion** Harmful: may cause lung damage if swallowed.

**Skin contact** Slightly irritating.

**Eye contact** May cause temporary eye irritation.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

## UNIVAR CALIBRATION FLUID 1487

### 13.1. Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
----------------	--

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.
<b>Water hazard classification</b>	WGK 2

#### 15.2. Chemical safety assessment

## UNIVAR CALIBRATION FLUID 1487

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	12/04/2016
<b>Revision</b>	05
<b>SDS number</b>	14101
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R10 Flammable. R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R37 Irritating to respiratory system. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
<b>Signature</b>	Jitendra Panchal
<b>Hazard statements in full</b>	H304 May be fatal if swallowed and enters airways.