

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



# BOSCH

## Hydraulic fluid 3605430008

Revision date: 05.07.2023

Product code: 00635-0064

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

#### 1.1. Product identifier

Hydraulic fluid 3605430008

#### Art.-No.

3605430008

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

##### Use of the substance/mixture

Hydraulic fluid

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

Company name: Robert Bosch Power Tools GmbH  
PT/EEI

Place: 70538 Stuttgart / GERMANY

Internet: [www.bosch-pt.com](http://www.bosch-pt.com)

Responsible Department: Responsible for the safety data sheet: [sds@gbk-ingelheim.de](mailto:sds@gbk-ingelheim.de)

#### 1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

### SECTION 2: Hazards identification

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

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

Acute Tox. 4; H332

Asp. Tox. 1; H304

Skin Irrit. 2; H315

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

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

##### Hazard components for labelling

Distillates (petroleum)

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Distillates (petroleum)

Distillates (petroleum)

Signal word: Danger

##### Pictograms:



##### Hazard statements

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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P331 Do NOT induce vomiting.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P501 Dispose of contents/container to in accordance with local and national regulations.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains Methyl-methacrylate. May produce an allergic reaction.

### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

High risk of slipping due to leakage/spillage of product.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture containing following substances with additives

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-46-7	Distillates (petroleum)			25 - < 50 %
	265-148-2	649-221-00-X	01-2119489867-12	
	Acute Tox. 4, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2; H332 H315 H304 H411			
	Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics			20 - < 50 %
	934-954-2		01-2119826592-36	
	Asp. Tox. 1; H304			
64742-53-6	Distillates (petroleum)			20 - < 50 %
	265-156-6	649-466-00-2	01-2119480375-34	
	Asp. Tox. 1; H304			
64742-55-8	Distillates (petroleum)			1 - < 10 %
	265-158-7	649-468-00-3	01-2119487077-29	
	Asp. Tox. 1; H304			
	Reaction mass of 3-methylphenyl diphenyl phosphate, 4-methylphenyl diphenyl phosphate, bis(3-methylphenyl) phenyl phosphate, 3-methylphenyl 4-methylphenyl phenyl phosphate and triphenyl phosphate			0,1 - < 10 %
	945-730-9		01-2119511174-52	
	Aquatic Acute 1, Aquatic Chronic 3; H400 H412			
80-62-6	Methyl-methacrylate			0,1 - < 1 %
	201-297-1	607-035-00-6	01-2119452498-28	
	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335			

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

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### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-46-7	265-148-2	Distillates (petroleum)	25 - < 50 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)	

#### Further Information

The ingredient "Distillate (petroleum)" is not classified as a "carcinogen" under Regulation (EC) no. 1272/2008, Annex VI, note L, because the DMSO extract by IP 346 of the oil is less than 3%.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.  
Symptoms of poisoning may not occur for many hours, therefore keep under medical supervision for at least 48 hours.

#### After inhalation

Ensure of fresh air.  
In the event of symptoms refer for medical treatment.

#### After contact with skin

In case of contact with skin wash off with water.  
Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek medical treatment by eye specialist.

#### After ingestion

Do not induce vomiting.  
Rinse mouth.  
Never give anything by mouth to an unconscious person.  
Call a physician immediately.

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

Causes skin irritation.  
Harmful if inhaled.  
May be fatal if swallowed and enters airways. Aspiration of low viscosity products can cause chemical pneumonia, which can be fatal.

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

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.  
Fire-extinguishing activities according to surrounding.

#### Unsuitable extinguishing media

Full water jet

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

Fire may produce:  
carbon monoxide and carbon dioxide

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

Environment-independent breathing apparatus.  
Protective suit.

### **Additional information**

Cool containers at risk with water spray jet.  
Collect contaminated firefighting water separately, must not be discharged into the drains.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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

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

#### **General advice**

Attention. Hazard of skidding.  
Ensure adequate ventilation.  
Remove persons to safety.

#### **For non-emergency personnel**

Avoid contact with skin, eyes and clothing.  
Do not breathe vapours.

#### **For emergency responders**

Use personal protective clothing.  
In case of vapour formation use respirator.

### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.  
Inform competent authority about release into the sewage, ground or into waters.

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

#### **For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

#### **For cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).  
After taking up the material dispose according to regulation.

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

Observe protective instructions (see Sections 7 and 8).  
Information for disposal see section 13.

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

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

#### **Advice on safe handling**

Ensure adequate ventilation, especially in confined areas.

#### **Advice on protection against fire and explosion**

No special protective measures against fire required.

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

#### **Requirements for storage rooms and vessels**

Keep in closed original container.  
Protect from heat and direct solar radiation.

#### **Hints on joint storage**

Incompatible with:  
Strong acids and strong bases  
Strong oxidizing agents

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

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### 7.3. Specific end use(s)

Hydraulic fluid

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL

#### Additional advice on limit values

This product does not contain any substances for which a Workplace Exposure Limit has been set in concentrations above the limits.

### 8.2. Exposure controls

#### Protective and hygiene measures

- At work do not eat, drink and smoke.
- Avoid contact with skin, eyes and clothing.
- Do not breathe vapours and aerosols.
- Wash hands and skin before breaks and after work.

#### Eye/face protection

Safety goggles with side protection (EN 166).

#### Hand protection

Protective gloves resistant to chemicals made off nitrile, minimum coat thickness 0.4 mm, permeation resistance (wear duration) approx. 60 minutes, i.e. protective glove <Camatril Velours 730> made by [www.kcl.de](http://www.kcl.de).

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

#### Skin protection

- Protective suit.
- Cloths contaminated with product should not be kept in trouser pockets.

#### Respiratory protection

- No personal respiratory protective equipment normally required.
- Breathing apparatus in the event of aerosol or mist formation.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	Red
Odour:	Characteristic
pH-Value:	n.d.

#### Changes in the physical state

Melting point/freezing point:	n.d.
Boiling point or initial boiling point and boiling range:	n.d.
Sublimation point:	n.a.

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Softening point: n.d.

Flash point: 120 °C

### Flammability

Solid/liquid: n.a.

### Explosive properties

The product is not explosive.

Lower explosion limits: n.d.

Upper explosion limits: n.d.

Auto-ignition temperature: n.d.

### Self-ignition temperature

Solid: n.a.

Gas: n.a.

Decomposition temperature: n.d.

### Oxidizing properties

Not oxidising.

Vapour pressure: n.d.

Density (at 15 °C): 0,86 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: insoluble

### Solubility in other solvents

n.d.

Partition coefficient n-octanol/water: n.d.

Viscosity / dynamic: n.d.

Viscosity / kinematic:  
(at 40 °C) 15 mm<sup>2</sup>/s

Flow time: n.d.

Relative vapour density: n.d.

Evaporation rate: n.d.

Solvent separation test: n.d.

Solvent content: 100 %

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Reactions with acids, alkalies and oxidizing agents

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Strong acids and strong bases

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Strong oxidizing agents

### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

Fire may produce:

carbon monoxide and carbon dioxide

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008**

#### **Acute toxicity**

Harmful if inhaled.

No toxicological data available.

#### **Irritation and corrosivity**

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### **Sensitising effects**

Contains Methyl-methacrylate. May produce an allergic reaction.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Repeated exposure may cause skin dryness or cracking.

#### **Aspiration hazard**

May be fatal if swallowed and enters airways.

#### **Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

### **11.2. Information on other hazards**

#### **Endocrine disrupting properties**

No data available

#### **Other information**

Contact with skin may cause irritation.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecological data are not available.

### **12.2. Persistence and degradability**

No data available

### **12.3. Bioaccumulative potential**

No data available

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

No data available

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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### 12.7. Other adverse effects

Hazardous water pollutant.

### Further information

The product floats on top of the water/sewage.

Do not flush into surface water or sanitary sewer system.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Disposal in accordance with local regulations.

#### List of Wastes Code - residues/unused products

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

#### Contaminated packaging

Disposal in accordance with local regulations.

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### 14.1. UN number:

UN 3082

#### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Distillates (petroleum))

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

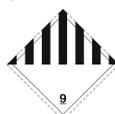
9

#### 14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L / 30 kg

Excepted quantity:

E1

Transport category:

3

Hazard No:

90

Tunnel restriction code:

-

### Inland waterways transport (ADN)

#### 14.1. UN number:

UN 3082

#### 14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Distillates (petroleum))

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

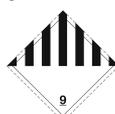
9

#### 14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Special Provisions:

274 335 375 601

Limited quantity:

5 L / 30 kg

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Excepted quantity: E1

### Marine transport (IMDG)

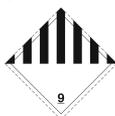
**14.1. UN number:** UN 3082

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Distillates (petroleum))

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Marine pollutant: Yes  
Special Provisions: 274 335 969  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E1  
EmS: F-A, S-F

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

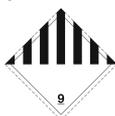
**14.1. UN number:** UN 3082

**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Distillates (petroleum))

**14.3. Transport hazard class(es):** 9

**14.4. Packing group:** III

Hazard label: 9



Special Provisions: A97 A158 A197 A215  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y964  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 964  
IATA-max. quantity - Passenger: 450 L  
IATA-packing instructions - Cargo: 964  
IATA-max. quantity - Cargo: 450 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practices.

### 14.7. Maritime transport in bulk according to IMO instruments

The transport takes place only in approved and appropriate packaging.

## SECTION 15: Regulatory information

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

#### EU regulatory information

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Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2004/42/EC (VOC):

0 %

Information according to 2012/18/EU  
(SEVESO III):

E2 Hazardous to the Aquatic Environment

### National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

2 - obviously hazardous to water

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Changes

Changes in section: -

### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H332	Calculation method
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Aquatic Chronic 2; H411	Calculation method

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

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Methyl-methacrylate. May produce an allergic reaction.

### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

### Literature:

Kraume, Zober: Arbeitssicherheit und Gesundheitsschutz in der Schweißtechnik. ("Occupational Safety and Health Protection in Welding")

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