



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

1.1 Product Identifier:

Trade Name: HELLA PAGID Brake Fluid DOT 4 – all grades with wet boiling points of < 165°C.

Material number:

8DF 355 360-002 (355.360-002), sales quantity:	24 x 250 ml
8DF 355 360-012 (355.360-012), sales quantity:	24 x 500 ml
8DF 355 360-022 (355.360-022), sales quantity:	10 x 1000 ml
8DF 355 360-032 (355.360-032), sales quantity:	4 x 5000 ml
8DF 355 360-042 (355.360-042), sales quantity:	1 x 20000 ml
8DF 355 360-001 (355.360-001), sales quantity:	24 x 250 ml
8DF 355 360-011 (355.360-011), sales quantity:	24 x 500 ml
8DF 355 360-021 (355.360-021), sales quantity:	10 x 1000 ml
8DF 355 360-031 (355.360-031), sales quantity:	4 x 5000 ml
8DF 355 360-041 (355.360-041), sales quantity:	1 x 20000 ml

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

Identified Uses: Polyalkylene glycol ethers & Polyglycols

1.3 Details of the supplier of the MSDS:

HELLA PAGID GmbH
Lüscherhofstr. 80, 45356 Essen / Germany
www.hella-pagid.com
Phone: +49 (0) 201 217600 30
E-mail: service@hella-pagid.com

Department issuing data sheet: PM, Contact Person: Mr. Berlich, Tel. +49 (0) 201 217600 27

1.4 Emergency Telephone Number:

Informationszentrale gegen Vergiftungen,
Universitätsklinikum Bonn
Adenauerallee 119, D-53113 Bonn
Tel: +49 (0)228-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation 1999/45/EC (DPD): "Irritant" R36 "Irritating to eyes".

Classification according to regulation 1272/2008 (CLP/GHS): Eye Irritant-category 2; H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to 1999/45/EC (DPD):

Hazard symbol:



Irritant

Risk phrases

- R36 – Irritating to eyes.

Safety phrases recommended:

- S2 – Keep out of the reach of children.
- S26 (modified) – In case of contact with eyes, rinse immediately with plenty of water for 10 min. If irritation persists seek medical advice.
- S46 – If swallowed seek medical advice immediately and show this container or label.

Labelling according to 1272/2008 (CLP/GHS)

Hazard Pictogram/s:



Signal word: "Warning"

Hazard phrases:

- **H319** – Causes serious eye irritation

Precautionary phrases recommended:

- P102 – Keep out of the reach of children.
- P305/P351/P338 – If in eyes rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P337/313 – If eye irritation persists, get medical advice.
- P301/311 – If swallowed, call a poison centre or doctor/physician and have container or label at hand.

2.3 Other Hazards:

Product is not classified as flammable or combustible but will burn.

Product is not classified as PBT or vPvB according to Annex XIII.

[SECTION 3: Composition/information on ingredients](#)

3.1 Substances:

Not applicable.

3.2 Mixtures:

General description

Blend of polyglycol ethers, glycol ether esters and polyglycols with added corrosion and oxidation inhibitors.

Hazardous Ingredients

Ingredient	EC No.	CAS No.	Registration No.	% w/w	Classification 67/548EEC	Classification 1272 / 2008
Butyl triglycol	205-592-6	143-22-6	01-2119531322-53	20 - 45	Xi; R41	Eye Damage Cat 1 – H318
Diethylene glycol	203-872-2	111-46-6	01-2119457857-21	0-10	Xn; R22	Acute Oral Toxicity – Cat 4 – H302; STOT-RE; Cat 2 – H373.
Ethylene glycol	203-473-3	107-21-1	01-2119456816-28	0 - 10	Xn; R22	Acute Oral Toxicity Cat 4 –H302. STOT-RE Cat 2 –H373.
Methyl diglycol	203-906-6	111-77-3	01-2119475100-52	0-3	Xn; R63	Reproductive toxicity – Cat 2 – H361d
Butyl diglycol	203-961-6	112-34-5	01-2119475104-44	0-3	Xi; R36	Irritant – Cat 2 – H 319

See Section 16 for explanation of the classification codes.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General Advice

First Aid responders should pay attention to self-protection and use any recommended protective clothing – see section 8.

Inhalation

Remove victim to fresh air – and keep at rest. If recovery is not rapid, seek medical attention.

Skin contact

Remove contaminated clothing. Wash affected skin with soap and water. If irritation persists seek medical attention.

Eye contact

Flush eye with plenty of water for at least 10 minutes. If irritation persists seek medical attention.

Ingestion

Obtain medical advice immediately. If patient is fully conscious, wash out mouth with water and give plenty of water to drink. If medical attention is delayed and an adult has swallowed several ounces, give 90 - 120ml of hard liquor such as 40%v/v spirits. For children give proportionately less at a rate of 2ml / kg body-weight. Never give anything by mouth to an unconscious person. Induce vomiting only under medical supervision.

4.2 Most important symptoms and effects both acute and delayed:

The most important symptoms and effects are described in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Medical personnel seeking to administer first aid are referred to the services of the Poisons Information Service, who can advise in such instances. There is no specific antidote and treatment of over exposure should be directed at control of symptoms and the patient's clinical condition. The presence of monoethylene glycol and diethylene glycol suggest this product may have a mechanism of intoxication similar to ethylene glycol and treatment similar to that for ethylene glycol poisoning may help.

SECTION 5: Firefighting measures

5.1 Extinguishing Media:

Suitable extinguishing media

Alcohol resistant foam, dry powder, carbon dioxide or water (fog or fine spray).

Unsuitable Extinguishing Media

Water jets (although these may be used to cool adjacent containers).

5.2 Special hazards arising from the substance or mixture:

No special risk – combustion products may contain harmful or irritant fumes. Containers may rupture from gas generation if exposed to fire.

5.3 Advice for fire fighters:

Eye protection should be worn. Keep containers cool with water spray. In extreme conditions self-contained breathing apparatus and protective suit should be worn.

SECTION 6: Accidental release measures

6.1 Personal Precautions, protective equipment and emergency procedures:

Prevent unnecessary personnel entering area of spillage. Avoid contact with eyes, skin, and clothing. When cleaning up large spills, appropriate protective clothing should be worn including eye protection and impervious gloves -see section 8 for details.

6.2 Environmental Precautions:

Prevent from entering drains, ditches or rivers. If this happens inform relevant authorities. Prevent gross contamination of soil.

6.3 Methods and materials for containment and cleaning up:

Contain spillage using sand earth or absorbent booms. Small spillages can be absorbed using rags or absorbent granules. Remove all material to a suitable container for subsequent disposal. Label Salvage Container appropriately. Flush contaminated area with plenty of water.

6.4 References to other sections

For personal protection see section 8. For disposal methods see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Avoid any method of handling that generates mists or aerosols. Do not eat, drink or smoke when handling this product. Wash hands thoroughly after use.

7.2 Conditions for safe storage including any incompatibilities:

Suitable bulk storage vessels are mild/stainless steel tanks fitted with a dry air breathing system or tight head steel drums. Do not store in lined tanks or drums. Brake fluid absorbs water from the atmosphere - always keep containers tightly closed. Avoid contamination with any other substances and in particular with mineral oils which are incompatible.

7.3 Specific end use:

Users are referred to the Specification SAE J1707 "Service Maintenance of Brake Fluids"

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters:

8.1.1 Occupational exposure limits

Mixture: No official figures available. Due to the low vapour pressure of the preparation, vapour is not generally a problem at ambient temperature.

Individual ingredients.

	Country	8 hours	15 min
Diethylene glycol	Australia	23 ppm / 101 mg/m3	
	Austria	10 ppm / 44 mg/m3	40ppm / 176 mg/m3
	Denmark	2.5 ppm / 11 mg/m3	5ppm / 22 mg/m3
	Germany	10 ppm / 44 mg/m3	40 ppm / 176 mg/m3
	Latvia	10 mg/m3	
	New Zealand	23 ppm / 101 mg/m3	
	Sweden	10 ppm / 45 mg/m3	20ppm / 90 mg/m3
	Switzerland	10 ppm / 44 mg/m3	40ppm / 176 mg/m3
	UK	23 ppm / 101 mg/m3	
	Butyl diglycol	Austria	10 ppm / 67.5 mg/m3
Belgium		10 ppm / 67.5 mg/m3	15ppm / 101.2 mg/m3

	Denmark	100 mg/m ³	200
	mg/m ³		
	EU	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
	France	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
	Germany	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
	Hungary	67.5 mg/m ³	101.2 mg/m ³
	Italy	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
	Latvia	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
	Poland	67.5 mg/m ³	100 mg/m ³
	Spain	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
	Sweden	15 ppm / 100 mg/m ³	30ppm / 200 mg/m ³
	Switzerland	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
	The Netherlands	50 mg/m ³	100 mg/m ³
	UK	10 ppm / 67.5 mg/m ³	15ppm / 101.2 mg/m ³
Ethylene glycol (Vapour)	Australia	20 ppm / 52 mg/m ³	40ppm / 105 mg/m ³
	Austria	10 ppm / 26 mg/m ³	20ppm / 52 mg/m ³
	Denmark	10 ppm / 26 mg/m ³	20ppm / 52 mg/m ³
	EU	20 ppm / 52 mg/m ³	40ppm / 104 mg/m ³
	France	20 ppm / 52 mg/m ³	40ppm / 104 mg/m ³
	Germany	10 ppm / 26 mg/m ³	20ppm / 52 mg/m ³
	Italy	20 ppm / 52 mg/m ³	40ppm / 104 mg/m ³
	New Zealand		50ppm / 127 mg/m ³
	Poland	15 mg/m ³	50 mg/m ³
	Singapore		50ppm / 127 mg/m ³
	South Korea		40ppm / 100 mg/m ³
	Sweden	10 ppm / 25 mg/m ³	20ppm / 50 mg/m ³
	Switzerland	10 ppm / 26 mg/m ³	20ppm / 52 mg/m ³
	The Netherlands	52 mg/m ³	104 mg/m ³
	UK	20 ppm / 52 mg/m ³	40ppm / 104 mg/m ³
Methyl diglycol	Austria	10 ppm / 50.1 mg/m ³	
	Belgium	10 ppm / 50.1 mg/m ³	
	Denmark	25 ppm (provisional)	
	EU	10 ppm / 50.1 mg/m ³	
	France	10 ppm / 50.1 mg/m ³	
	Germany	10 ppm / 50.1 mg/m ³	
	Hungary	50.1 mg/m ³	
	Italy	10 ppm / 50.1 mg/m ³	
	Latvia	20 ppm / 100 mg/m ³	
	Poland	50.0 mg/m ³	
	Spain	10 ppm / 50.1 mg/m ³	
	The Netherlands	45 mg/m ³	
	UK	10 ppm / 50.1 mg/m ³	

8.1.2 Derived No Effect Levels (DNEL)

Butyl Triglycol

Worker; Long term exposure – systemic effects, dermal	50mg/kg/day
Worker; Long term exposure – systemic effects, inhalation	195mg/m ³
Consumer Long term exposure – systemic effects, dermal	25mg/kg/day
Consumer Long term exposure – systemic effects, inhalation	117mg/m ³
Consumer Long term exposure – systemic effects, oral	2.5mg/kg/day

Butyl Diglycol

Worker; Short term exposure – local effects, inhalation	101.2mg/m ³
Worker; Long term exposure – systemic effects, dermal	20mg/kg/day
Worker; Long term exposure – systemic effects, inhalation	67mg/m ³
Consumer; Short term exposure – local effects, inhalation	50.6mg/m ³

Consumer Long term exposure – systemic effects, dermal	10mg/kg/day
Consumer Long term exposure – systemic effects, inhalation	34mg/m ³
Consumer Long term exposure – systemic effects, oral	1.25mg/kg/day

Diethylene glycol

Worker; Long term exposure – systemic effects, dermal	106mg/kg/day
Worker; Long term exposure – systemic effects, inhalation	60mg/m ³
Consumer Long term exposure – systemic effects, dermal	53mg/kg/day
Consumer Long term exposure – systemic effects, inhalation	12mg/m ³

Ethylene glycol

Worker; Long term exposure – systemic effects, dermal	106mg/kg/day
Worker; Long term exposure – systemic effects, inhalation	35mg/ m ³
Consumer Long term exposure – systemic effects, dermal	53mg/kg/day
Consumer Long term exposure – systemic effects, inhalation	7mg/ m ³

Methyl Diglycol

Worker; Long term exposure – systemic effects, dermal	0.53mg/kg/day
Worker; Long term exposure – systemic effects, inhalation	50.1mg/m ³
Consumer Long term exposure – systemic effects, dermal	0.27mg/kg/day
Consumer Long term exposure – systemic effects, inhalation	25mg/m ³
Consumer Long term exposure – systemic effects, oral	1.5mg/kg/day

8.1.3 Predicted No Effect Concentrations (PNEC)

Butyl Triglycol

Aqua (freshwater)	1.5 mg/L
Aqua (marine water)	0.25 mg/L
Aqua (intermittent releases)	5.0 mg/L
Sewage Treatment Plant (STP)	200 mg/ L
Sediment (freshwater)	5.77 mg/kg/sediment dw
Sediment (marine water)	0.13 mg/kg/sediment dw
Soil	0.45 mg/kg/soil dw
Oral	111 mg/kg/food

Butyl Diglycol

Aqua (freshwater)	1.0 mg/L
Aqua (marine water)	0.1 mg/L
Aqua (intermittent releases)	3.9 mg/L
Sewage Treatment Plant (STP)	200mg/ L
Sediment (freshwater)	4.0 mg/kg/sediment dw
Sediment (marine water)	0.4 mg/kg/sediment dw
Soil	0.4 mg/kg/soil dw
Oral	56 mg/kg/food.

Diethylene glycol

Aqua (freshwater)	10 mg/L
Aqua (marine water)	1 mg/L
Aqua (intermittent releases)	10 mg/L
Sewage Treatment Plant (STP)	199.5 mg/L
Sediment (freshwater)	20.9 mg/kg/sediment dw
Soil	1.53 mg/kg/soil dw

Ethylene glycol

Aqua (freshwater)	10 mg/L
Aqua (marine water)	1 mg/L
Aqua (intermittent releases)	10 mg/L
Sewage Treatment Plant (STP)	199.5 mg/ L
Sediment (freshwater)	20.9 mg/kg/sediment dw
Soil	1.53 mg/kg/soil dw

Methyl Diglycol

Aqua (freshwater)	12 mg/L
Aqua (marine water)	1.2 mg/L
Aqua (intermittent releases)	12 mg/L
Sewage Treatment Plant (STP)	10000 mg/ L

Sediment (freshwater)	44.4 mg/kg/sediment dw
Sediment (marine water)	0.44 mg/kg/sediment dw
Soil	2.44 mg/kg/soil dw
Oral	0.9 mg/kg/food

8.1.4 Recommended monitoring techniques

Personal air monitoring. An applicable standard is BS EN 14042.

8.2 Exposure Controls:

8.2.1 General

Employ good industrial hygiene practice as part of a control banding approach.

8.2.2 Appropriate engineering controls

Not necessary under normal conditions. If fluid is being heated or atomised, local exhaust ventilation with filter / scrubber is recommended.

8.2.3 Individual protection measures / personal protective equipment

Respiratory Protection:

Not needed under normal conditions. Self contained breathing apparatus or Organic vapour respirators (A-P2) may be used where product is being heated or atomised and engineering control measures are not practical.

Hand Protection:

Wear chemically resistant impervious gloves (EN 374) to avoid prolonged or repeated contact. Butyl rubber, Natural rubber, Nitrile rubber and PVC are suitable materials. Because of great variety of types of gloves see manufacturer's figures for breakthrough times. In the case of prolonged contact a glove with a protection class of 6 (breakthrough time of >480 min) is recommended.

Eye Protection:

Wear close-fitting goggles (EN 166) or face shield where there is a risk of splashing (acrylic or PVC preferred to polycarbonate which may be attacked by brake fluid). Eye baths should be provided at locations where accidental exposure may occur.

Skin Protection:

Where significant exposure is possible wear impervious body covering. It is recommended that showers are provided at locations where accidental exposure may occur.

8.2.4 Environmental Exposure Controls

No special measures required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

		Test method
Appearance	Clear liquid – colourless to amber (although some brake fluids may be dyed).	Visual.
Odour	Bland	N/A
Odour threshold	N/A – very low odour	
pH	7.0 to 11.50	SAE J 1703
Melting point	< -50 °C.	SAE J 1703
Boiling point	> 230 °C	SAE J 1703
Flash point	> 100 °C.	IP 35
Flammability limits in air.	Not established as non-volatile	
Auto ignition temp.	> 300 °C	ASTM D 286
Decomposition Temperature	> 300 °C	
Evaporation Rate	Negligible	
Density @ 20° C	1.020 – 1.070 g/ml	DIN 51757
Solubility	In water: miscible in any ratio In ethanol: miscible in any ratio	
Partition Coefficient (n-Octanol/Water)	< 2.0 (all main ingredients)	OECD 117
Viscosity @ 20° C	Approx. 5 - 10 cSt	ASTM D 445
Vapour pressure 20° C	< 2 milibars	Reid
Vapour Density	Not established as non-volatile	
Explosive properties	Not explosive.	
Oxidising Properties	Not oxidizing	

9.2 Other information:

No other relevant data.

SECTION 10: Stability and reactivity

10.1 Reactivity:

No hazardous reactions if stored and handled as indicated.

10.2 Chemical Stability:

Product is stable under normal conditions.

10.3 Possibility of hazardous reactions:

Glycol Ethers can form peroxides on storage.

Glycol ethers can react with light metals with the evolution of hydrogen.

10.4 Conditions to Avoid:

Do not distil to dryness without testing for peroxide formation.

10.5 Incompatible Materials:

Strong oxidising agents. For user safety, brake fluid should never be contaminated with any other substance.

10.6 Hazardous Decomposition Products:

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Acute Toxicity

Ingestion

Product is of low acute oral toxicity – LD50 (oral) Rat = > 5000 mg/kg. (Sparse experience indicates lethal dose in man could be less). However, if any significant amount is ingested, there is a risk of renal damage which in extreme cases could lead to kidney failure, coma or death. Other symptoms of overexposure include Central Nervous System effects, abdominal discomfort, metabolic acidosis, headache and nausea.

Inhalation

Unlikely to be hazardous by inhalation at ambient temperatures due to low vapour pressure. If product is inhaled at elevated temperatures or as an aerosol it may irritate respiratory tract and may cause systemic effects similar to ingestion (see above).

Aspiration

No aspiration hazard expected.

Dermal

Acute percutaneous toxicity is low LD50 (sk) Rabbit = > 3000 mg/kg. Massive contact with damaged skin could result in the absorption of harmful amounts.

11.1.2 Irritation

Eye Contact Has a mildly irritating effect on the eye. (Test Method OECD 405).

Skin Contact - Based on available data the classification criteria are not met (Test Method OECD 404).

Repeated contact may de-fat the skin and cause dermatitis.

11.1.3 Corrosivity

Based on available data the classification criteria are not met.

11.1.4 Sensitisation

Based on available data the classification criteria are not met.

11.1.5 Repeated dose toxicity

There are no reports of long term adverse affects in man.

11.1.6 Carcinogenicity

Not known to be carcinogenic.

11.1.7 Mutagenicity

Not known to be mutagenic

11.1.8 Toxicity for reproduction

Major ingredients have not been shown to cause significant fertility or development problems at levels which are not themselves toxic to the animal concerned. One minor ingredient – Methyl diglycol – has been shown to affect foetus development in some studies and is classified as R63/H361d.

SECTION 12: Ecological information

12.1 Toxicity:

Product is of low acute ecotoxicity.

Fish 96h LC50 = > 100 mg/l (Oncorhynchus Mykiss)
 Daphnia 48h EC50 = Not Determined but expected to be virtually non toxic.
 Algae 72h EC50 = Not Determined but expected to be virtually non toxic.

12.2 Persistence and Degradability:

Product is inherently biodegradable and is expected to be readily biodegradable based on ingredients.
 OECD 302B (Zahn Wellans/EMPA) = 100% elimination at 21 days.
 If admitted into adapted biological water treatment plants, no adverse effects on the degrading action of the live sludge are expected.

12.3 Bioaccumulative Potential:

Not expected to bio accumulate. Log POW for all main ingredients = < 2.0

12.4 Mobility in soil:

Soluble in water and will partition to aqueous phase. Volatilisation from water to air not expected. Mobile in soil until degraded.

12.5 Results of PBT and vPvB assessment:

Product is considered to be neither “persistent, bio-accumulating and toxic” nor “very persistent and very bio-accumulating” according to Annex XIII of Regulation EC 1907/2006.

12.6 Other adverse effects:

Not relevant.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local and national regulations. In the E.U. used brake fluids are classified as Hazardous Waste.

EWC number: 16.01.13.

Controlled incineration or recycling is recommended. Do not dispose of to landfill or drains. It is recommended that contaminated packaging is either incinerated or cleaned and sent for recycling.

SECTION 14: Transport information

14.1 UN No. / Class:

None

14.2 UN Proper shipping name:

N/A

14.3 Transport hazard classes:

Land Transport

ADR..... Not classified

RID..... Not classified

Sea Transport

IMO/IMDG..... Not classified

Marine Pollutant..... No

Air Transport

IATA/IACO..... Not classified

Inland waterways

ADN..... Not classified

14.4 Packing Group:

N/A

14.5 Environmental Hazards:

Not environmentally hazardous

14.6 Special precautions for user:

None relevant

14.7 Transport in bulk (annex II of Marpol):

Not classified.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture:

15.1.1 Chemical Inventories

All ingredients are registered on the following inventories:

E.U. (EINECS/EILINCS) USA (TSCA) Canada (DSL/NDSL) Australia (AICS)

Japan (ENCS) China (IECSC) Korea (ECL) Philippine (PICCS)

New Zealand (NZLoC) Taiwan

15.1.2 WGK Hazard class

Assessed as WGK 1 (self assessment). Slight hazard to water.

15.1.3 Other

Usage should be in accord with all local and national regulations. In the U.K. this would include the Health and Safety at Work Act and the Control of Substances Hazardous to Health regulations (COSHH.)

15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out for this product by the supplier.

SECTION 16: Other information

16.1 Abbreviations and acronyms used in this data sheet:

DPD Dangerous Preparations Directive.

CLP Classification, labelling and packaging of substances and mixtures regulation,

GHS UN Globally Harmonised system of classification and labelling of chemicals

STOT-RE Specific Target Organ Toxicity – Repeated Exposure

R22 Harmful if swallowed.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

R63 Possible risk of harm to the unborn child.

H302 Harmful if swallowed

H318 Causes serious eye damage

H319 Causes serious eye irritation

H361d Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

16.2 Revisions:

Because of the major changes, this data sheet should be read as entirely new.

16.3 Legal Disclaimer:

The information contained herein is based on the present knowledge and experience of HELLA PAGID GmbH. It in no way constitutes the users own assessment of work place risk as required by other Health and Safety legislation. HELLA PAGID GmbH does not, by supplying this information, guarantee or warrant any specific properties or qualities of goods supplied. It is the responsibility of the purchaser to determine whether the goods ordered are fit for any purpose for which they may be required. This information is provided subject to HELLA PAGID GmbH Conditions of Sale, and in particular Conditions 9 and 14 thereof. Asp. Tox. 1: Aspiration hazard – Category 1