

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

1.1. Product identifier

Product form	: Mixture
Product name	: 4306 - AUTOGEAR OIL MP 80W-90
Product code	: 77-4306
Type of product	: Lubricant
Product group	: Industrial

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

1.2.1. Relevant identified uses

Industrial/Professional use spec	: Industrial For professional use only
Function or use category	: Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Transnational Blenders B.V. (under license of 77 Lubricants)
Wieldrechtseweg 37
3316 BG Dordrecht - Netherlands
T +31 (0)78 652 7652
info@tnb.nl - www.tnb.nl

1.4. Emergency telephone number

Emergency number	: +31 (0)78 652 7652 Monday to Friday: 09:00 - 16:00 (CET)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements	: EUH210 - Safety data sheet available on request EUH208 - Contains Long chain alkyl amine(68955-53-3). May produce an allergic reaction
Child-resistant fastening	: No
Tactile warning	: No

2.3. Other hazards

Other hazards not contributing to the classification	: Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.
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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Comments	: Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.
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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mineral oil		50 - 75	Asp. Tox. 1, H304
Long chain alkenyl amine		0,01 - 0,5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: After adequate first aid, no further treatment is required unless symptoms reappear.
Symptoms/injuries after skin contact	: After adequate first aid, no further treatment is required unless symptoms reappear.
Symptoms/injuries after eye contact	: After adequate first aid, no further treatment is required unless symptoms reappear.
Symptoms/injuries after ingestion	: After adequate first aid, no further treatment is required unless symptoms reappear.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Eliminate all ignition sources if safe to do so.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage temperature : 50 °C

Storage area : Store away from heat. Store in a well-ventilated place.

Special rules on packaging : Store in a closed container. Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Mineral oil		
EU	IOELV TWA (mg/m ³)	5 mg/m ³
EU	IOELV STEL (mg/m ³)	10 mg/m ³
Belgium	Limit value (mg/m ³)	5 mg/m ³ 8 Hrs
Belgium	Short time value (mg/m ³)	10 mg/m ³ 15 Min
Bulgaria	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Czech Republic	Expoziční limity (PEL) (mg/m ³)	10 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	5 mg/m ³ 8 Hrs
Denmark	Grænseværdie (kortvarig) (mg/m ³)	1 mg/m ³
Finland	HTP-arvo (15 min)	5 mg/m ³ 8 Hrs
Greece	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Hungary	CK-érték	5 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³ 8 Hrs
Latvia	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Lithuania	IPRV (mg/m ³)	1 mg/m ³ 8 Hrs
Lithuania	TPRV (mg/m ³)	3 mg/m ³ 15 Min
Netherlands	Grenswaarde TGG 8H (mg/m ³)	5 mg/m ³ 8 Hrs
Portugal	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Portugal	OEL STEL (mg/m ³)	10 mg/m ³
Romania	OEL TWA (mg/m ³)	5 mg/m ³ 8 Hrs
Romania	OEL STEL (mg/m ³)	10 mg/m ³ 15 Min
Slovakia	NPHV (priemerná) (mg/m ³)	5 mg/m ³ 8 Hrs
Spain	VLA-ED (mg/m ³)	5 mg/m ³ 8 Hrs
Spain	VLA-EC (mg/m ³)	10 mg/m ³ 15 Min
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³
Sweden	kortidsvärde (KTV) (mg/m ³)	3 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	500 mg/m ³
Norway	Grenseverdier (AN) (mg/m ³)	1 mg/m ³
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³

8.2. Exposure controls

Personal protective equipment : Safety glasses. Insulated gloves. Protective clothing. Avoid all unnecessary exposure.

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Hand protection	: Wear protective gloves
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Wear appropriate mask



Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Characteristics.
Colour	: light brown.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: -27 °C
Boiling point	: No data available
Flash point	: > 200 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 902 kg/m ³ @15°C
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 162 mm ² /s @40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Other properties : See Product Data Sheet for detailed information.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Mineral oil	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation (rat) (Vapours - mg/l/4h)	> 5000 mg/l/4h

Long chain alkenyl amine	
LD50 oral (rat)	1689 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met

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

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

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Viscosity, kinematic	162 mm ² /s @40°C

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Mineral oil	
LC50 fish 1	16 mg/l
LC50 other aquatic organisms 1	0,1 mg/l

Long chain alkenyl amine	
LC50 fish 1	0,11 mg/l 96 Hrs
EC50 Daphnia 1	0,011 mg/l
EC50 96h algae (1)	0,03 mg/l

12.2. Persistence and degradability

4306 - AUTOGEAR OIL MP 80W-90	
Persistence and degradability	Not established.

Mineral oil	
Biodegradation	31 % 28 Days OECD TG 301 B

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : See Directive 2001/118/EC. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable



IMDG

Transport hazard class(es) (IMDG) : Not applicable



IATA

Transport hazard class(es) (IATA) : Not applicable



ADN

Transport hazard class(es) (ADN) : Not applicable



RID

Transport hazard class(es) (RID) : Not applicable



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14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

14.7. 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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

Ministry's list of carcinogens : None of the components are listed

Ministry's list of mutagens : None of the components are listed

NON-exhaustive list of reproductive toxins - Breastfeeding : None of the components are listed

NON-exhaustive list of reproductive toxins - Fertility : None of the components are listed

NON-exhaustive list of reproductive toxins - Evolution : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes:

	Comments	Added	
	For mixture	Added	
	Supersedes	Added	
	Type of product	Added	
	Revision date	Added	
	Date of issue	Added	
	Flammability (solid, gas)	Added	
	Additional information	Added	
	Additional information	Added	
	Additional information	Added	
	Additional information	Added	
	Additional information	Added	
	Additional information	Added	
	Additional information	Added	
	Additional information	Added	
	Additional information	Added	
1.1	Product form	Added	
1.1	Product group	Added	
1.2	Use of the substance/mixture	Added	
1.2	Main use category	Added	
1.2	Function or use category	Added	
1.2	Industrial/Professional use spec	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Added	
2.1	Adverse physicochemical, human health and environmental effects	Added	
2.2	EUH-statements	Added	
2.2	Precautionary statements (CLP)	Added	
2.2	Hazard statements (CLP)	Added	
2.2	S-phrases	Added	
2.2	R-phrases	Added	
2.2	Extra phrases	Added	
2.3	Other hazards not contributing to the classification	Added	
4.1	First-aid measures after eye contact	Added	
4.1	First-aid measures after ingestion	Added	
4.1	First-aid measures after inhalation	Added	
4.1	First-aid measures after skin contact	Added	
4.1	First-aid measures general	Added	
4.2	Symptoms/injuries after	Added	

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	skin contact		
4.2	Symptoms/injuries after inhalation	Added	
4.2	Symptoms/injuries after ingestion	Added	
4.2	Symptoms/injuries after eye contact	Added	
4.2	Symptoms/injuries	Added	
5.1	Suitable extinguishing media	Added	
5.1	Unsuitable extinguishing media	Added	
5.3	Firefighting instructions	Added	
5.3	Protection during firefighting	Added	
6.1	Protective equipment	Added	
6.1	Emergency procedures	Added	
6.1	Emergency procedures	Added	
6.1	Protective equipment	Added	
6.2	Environmental precautions	Added	
6.3	Methods for cleaning up	Added	
6.4	Reference to other sections (8, 13)	Added	
7.1	Precautions for safe handling	Added	
7.2	Storage temperature	Added	
7.2	Storage area	Added	
7.2	Special rules on packaging	Added	
7.2	Storage conditions	Added	
7.2	Incompatible materials	Added	
7.2	Incompatible products	Added	
8.2	Skin and body protection	Added	
8.2	Eye protection	Added	
8.2	Hand protection	Added	
8.2	Personal protective equipment	Added	
8.2	Respiratory protection	Added	
8.2	Other information	Added	
10.2	Chemical stability	Added	
10.3	Possibility of hazardous reactions	Added	
10.4	Conditions to avoid	Added	
10.5	Incompatible materials	Added	
10.6	Hazardous decomposition products	Added	
11.1	Potential adverse human health effects and symptoms	Added	
12.1	Ecology - water	Added	
12.2	Persistence and degradability	Added	
12.3	Bioaccumulative potential	Added	
13.1	Ecology - waste materials	Added	
13.1	Waste disposal recommendations	Added	
15.2	Chemical safety	Added	

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	assessment		
16	Other information	Added	
16	Data sources	Added	

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction
EUH210	Safety data sheet available on request

SDS EU (REACH Annex II)

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