

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 14/04/2015 Revision date: 22/01/2024 Supersedes version of: 13/12/2022 Version: 2.3

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

# **1.1. Product identifier**

Product form Product name Product code

:	Mixture
:	43360 - AUTOGEAR OIL TDL 85W-140
:	43360

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

## 1.2.1. Relevant identified uses

Intended for general public Main use category Function or use category

: Industrial use, Professional use, Consumer use

1.2.2. Uses advised against

: Lubricants and additives

# No additional information available

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

77 Lubricants B.V. NL- 1761 JA The Netherlands T +31 (0)78 6527652 technical@77lubricants.nl - www.77lubricants.nl

## 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

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

Not classified

## Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

# 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] EUH-statements : EUH208 - Contains Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction. EUH210 - Safety data sheet available on request.

## 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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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 substance(s) are 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 at a concentration equal to or greater than 0,1 %

# SECTION 3: Composition/information on ingredients

# 3.1. Substances

# Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Residual oils (petroleum), solvent-dewaxed substance with national workplace exposure limit(s) (NL)	CAS-No.: 64742-62-7 EC-No.: 265-166-0 EC Index-No.: 649-471-00-X REACH-no: 01-2119480472- 38	≥ 90	Not classified
Polysulphides, di-tert-Bu	CAS-No.: 68937-96-2 EC-No.: 273-103-3 REACH-no: 01-2119540515- 43	≥1-<5	Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH, TR); substance with a Community workplace exposure limit	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	≥1-<3	Not classified
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	EC-No.: 931-384-6 REACH-no: 01-2119493620- 38	≥ 0.3 – < 3	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411

Specific concentration limits:			
Name	Product identifier	Specific concentration limits (%)	
Polysulphides, di-tert-Bu	CAS-No.: 68937-96-2 EC-No.: 273-103-3 REACH-no: 01-2119540515- 43	(46 < C ≤ 100) Skin Sens. 1B, H317	
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl	EC-No.: 931-384-6 REACH-no: 01-2119493620- 38	(16.1 < C < 100) Skin Sens. 1B, H317 (50.01 < C < 100) Eye Irrit. 2, H319	

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash skin with plenty of water.</li> <li>Rinse eyes with water as a precaution.</li> <li>Call a poison center or a doctor if you feel unwell.</li> </ul>

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

# No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Water spray. Dry powder. Foam. Carbon dioxide.</li><li>Do not use a water jet since it may cause the fire to spread.</li></ul>			
5.2. Special hazards arising from the subs	tance or mixture			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.			
5.3. Advice for firefighters				
Precautionary measures fire Firefighting instructions Protection during firefighting	<ul> <li>Exercise caution when fighting any chemical fire.</li> <li>Use water spray or fog for cooling exposed containers.</li> <li>Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.</li> </ul>			

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective equipr	nent and emergency procedures		
General measures	: Avoid spilling the product, as this might cause falls.		
6.1.1. For non-emergency personnel			
Protective equipment Emergency procedures	<ul><li>Wear recommended personal protective equipment.</li><li>Ventilate spillage area.</li></ul>		
6.1.2. For emergency responders			
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
6.2. Environmental precautions			
Avoid release to the environment.			
6.3. Methods and material for containment a	and cleaning up		
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.		
Methods for cleaning up Other information	<ul> <li>Take up liquid spill into absorbent material.</li> <li>Dispose of materials or solid residues at an authorized site.</li> </ul>		

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	<ul> <li>Avoid contact with skin and eyes. Ensure good ventilation of the work station. Wear personal protective equipment.</li> </ul>
Handling temperature	: ≤ 40 °C
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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Technical measures	: Provide local exhaust or general room ventilation.
Storage conditions	: Store in a well-ventilated place. Keep cool.
Storage temperature	: ≤ 40 °C
Storage area	: Store in a well-ventilated place. Store away from heat.
Special rules on packaging	: Keep only in original container. Store in a closed container.

# 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

# 8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
EU - Indicative Occupational Exposure Limit (IOEL)			
IOEL TWA	5 mg/m³		
United Kingdom - Occupational Exposure Limits			
WEL TWA (OEL TWA) [1]	5 mg/m³		

### 8.1.2. Recommended monitoring procedures

No additional information available

## 8.1.3. Air contaminants formed

No additional information available

# 8.1.4. DNEL and PNEC

No additional information available

## 8.1.5. Control banding

No additional information available

# 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

### Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Personal protective equipment symbol(s):



### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses

Eye protection				
Туре	Field of application	Characteristics	Standard	
Safety glasses	Droplet	clear	EN 166	

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# 8.2.2.2. Skin protection

## Skin and body protection:

Wear suitable protective clothing

# Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35		EN ISO 374

### 8.2.2.3. Respiratory protection

## **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

### 8.2.2.4. Thermal hazards

No additional information available

## 8.2.3. Environmental exposure controls

# Environmental exposure controls:

Avoid release to the environment.

9.1. Information on basic physical and ch	emical properties
Physical state	: Liquid
Colour	: amber.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: -14 °C (ASTM D7346)
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 211 °C (ASTM D92)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: Not available
Viscosity, kinematic	: 422 mm²/s @ 40°C (ASTM D7042)
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 911 kg/m³ @ 15°C (ASTM D4052)
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

# 9.2.1. Information with regard to physical hazard classes

No additional information available

## 9.2.2. Other safety characteristics

No additional information available

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# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

# 10.2. Chemical stability

Stable under normal conditions.

**10.3. Possibility of hazardous reactions** 

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

## **10.5. Incompatible materials**

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information			
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008			
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>		
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl			
LD50 oral (rat)	2000 mg/m <sup>3</sup> OECD 401		
Residual oils (petroleum), solvent-dewaxed	I (64742-62-7)		
LD50 oral (rat)	> 5000 mg/kg		
LD50 dermal (rat)	> 2000 mg/kg		
Distillates (petroleum), hydrotreated heavy	Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
LD50 oral (rat)	> 5000 mg/kg bodyweight 401 Acute Oral Toxicity Test		
LD50 dermal (rabbit)	> 2000 mg/kg 402 Acute Dermal Toxicity Test		
LC50 inhalation (rat) (mg/l)	> 5000 mg/l/4h		
LC50 inhalation (rat) (Dust/Mist - mg/l/4h)	> 5.53 mg/l/4h 403 Acute Inhalation Toxicity Test		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation	: Not classified		
Respiratory or skin sensitisation	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
STOT-single exposure	: Not classified		
STOT-repeated exposure	: Not classified		
Distillates (petroleum), hydrotreated heavy	paraffinic (64742-54-7)		
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408		
Aspiration hazard	: Not classified		

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Viscosity, kinematic	osity, kinematic 422 mm <sup>2</sup> /s @ 40°C (ASTM D7042)	
Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl		
Viscosity, kinematic 1692 mm²/s		
Polysulphides, di-tert-Bu (68937-96-2)		
Viscosity, kinematic	716.19 mm²/s @20°C	
Residual oils (petroleum), solvent-dewaxed (64742-62-7)		
Viscosity, kinematic	490 mm²/s @40°C	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Viscosity, kinematic	98 (98 – 108) mm²/s @40°C	
11.2. Information on other hazards		

No additional information available

# SECTION 12: Ecological information

# 12.1. Toxicity

he product is not considered harmful to aquatic organisms nor to cause long-term adverse ffects in the environment. lot classified				
lot classified				
let eleccified				
lot classified				
diphosphorus pentasulfide, propoxylated, esterified with diphosphorus alkyl				
24 mg/l Oncorhynchus mykiss (Rainbow Trout) (OECD 203)				
8.5 mg/l Pimephales promelas (Fathead Minnow) (OECD 203)				
91.4 mg/l Daphnia magna (OECD 202)				
15 mg/l Raphidocelis subcapitata				
4d selenastrum capricomutum				
0.12 mg/l Daphnia magna (21d) (OECD 211)				
2.8 mg/l Raphidocelis subcapitata (96h)				
Polysulphides, di-tert-Bu (68937-96-2)				
63 mg/l Daphnia magna				
> 100 mg/l				
affinic (64742-54-7)				
> 100 mg/l Pimephales promelas				
> 10000 mg/l Daphnia magna				
> 100 mg/l Pseudokirchneriella subcapitat				
1000 mg/l Oncorhynchus mykiss (14d)				
10 mg/l Daphnia magna (21d)				

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NOEC chronic algae	≥ 100 mg/l Pseudokirchneriella subcapitata (72h)		
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12.2. Persistence and degradability			
Reaction products of 4-methyl-2-pentanol a pentaoxide, and salted by amines, C12-14-	and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus tert-alkyl		
Biodegradation	25 % OECD TG 301 B (28d)		
Polysulphides, di-tert-Bu (68937-96-2)			
Biodegradation	13 % OECD TG 301 B (28d)		
Distillates (petroleum), hydrotreated heavy	paraffinic (64742-54-7)		
Persistence and degradability	Not readily biodegradable.		
Biodegradation	31 % OECD TG 301 F (28d)		
12.3. Bioaccumulative potential			
Reaction products of 4-methyl-2-pentanol a pentaoxide, and salted by amines, C12-14-	and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus tert-alkyl		
Partition coefficient n-octanol/water (Log Pow)	< 0.3 @ 40°C (OECD 117)		
Polysulphides, di-tert-Bu (68937-96-2)			
Partition coefficient n-octanol/water (Log Kow)	6 @ 20°C		
Residual oils (petroleum), solvent-dewaxed (64742-62-7)			
Partition coefficient n-octanol/water (Log Pow)	> 3.5		
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6		
12.4. Mobility in soil			
lo additional information available			
12.5. Results of PBT and vPvB assessment			
lo additional information available			
12.6. Endocrine disrupting properties			
lo additional information available			
12.7. Other adverse effects			
lo additional information available			
PROTION 42. Disconsidentiation			
SECTION 13: Disposal considerations			

Waste treatment methods European List of Waste (LoW, EC 2000/532) Dispose of contents/container in accordance with licensed collector's sorting instructions.
 13 02 05\* - mineral-based non-chlorinated engine, gear and lubricating oils

# **SECTION 14: Transport information**

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

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ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber			
Not regulated for transport				
14.2. UN proper shipping	g name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard c	lass(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information	•			

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. Maritime transport in bulk according to IMO instruments

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

## **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

# **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

## REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

## PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

## POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

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## Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

# **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

# Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# **SECTION 16: Other information**

## Indication of changes

Section	Changed item	Change	Comments
	Revision date	Modified	
	Supersedes	Modified	
6.1	General measures	Added	
9.1	Viscosity, kinematic	Modified	
9.1	Density	Modified	
9.1	Colour	Added	
10.5	Incompatible materials	Added	
13.1	European List of Waste (LoW, EC 2000/532)	Added	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

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Abbreviations and acronyms:	
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH208	Contains Reaction products of 4-methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, esterified with diphosphorus pentaoxide, and salted by amines, C12-14- tert-alkyl. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Sens. 1B	Skin sensitisation, category 1B

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.