



# TRANSMISSION FLUID 75W MX

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

ISSUE DATE: 18.02.2020  
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VERSION: 1.0

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

#### 1.1. Product identifier

Trade name	Transmission Fluid 75W MX
Product code	Ford Internal Ref.: 202232
SDS Number	6997
Product use	Professional use

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

Relevant identified uses	Transmission Oil
Uses advised against	No additional information available.

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

Supplier	Distributor
Ford-Werke GmbH	Ford Motor Company Ltd.
Edsel-Ford-Str. 2-14	Parts Distribution Centre
50769 Cologne	Royal Oak Way South
Germany	NN11 8NT Daventry, Northants
+49 221 90-33333	United Kingdom
sdseu@ford.com	+44 1327 305 198

#### 1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

### 2. SECTION 2: Hazards identification

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

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

Environmental hazards	Hazardous to the aquatic environment — H412 Chronic Hazard, Category 3	Harmful to aquatic life with long lasting effects.
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#### 2.2. Label elements

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

Signal word	-
Hazard statements	H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	P273 Avoid release to the environment.

#### 2.3. Other hazards

**Other hazards not contributing to the classification** Experimental data on one or more of the components has been used to determine all or part of the hazard classification of this product.  
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

### 3. SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 649-467-00-8 01-2119484627-25-XXXX	50 - 75	Asp. Tox. 1, H304	(Note L)
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8 265-158-7 649-468-00-3 01-2119487077-29-XXXX	10 - 25	Asp. Tox. 1, H304	(Note L)
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0 276-737-9 649-482-00-X 01-2119474878-16-XXXX	1 - 3	Asp. Tox. 1, H304	(Note L)
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts	85940-28-9 288-917-4 - 01-2119521201-61-XXXX	1 - < 3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	
Zinc isodecyl phosphorodithioate	25103-54-2 246-618-6 - 01-2120767616-43	0,25 - < 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
2,6-di-tert-butylphenol	128-39-2 204-884-0 - 01-2119490822-33-XXXX	0,25 - < 1	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8 - 607-501-00-9 01-2119480426-35-xxxx, 01-2120052100-80-xxxx	0,1 - < 0,3	Repr. 2, H361d Aquatic Chronic 4, H413	

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.

Full text of H-statements: see section 16

### 4. SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

##### Skin contact:

Wash skin with plenty of water. Take off contaminated clothing and wash it before reuse.

<b>Eyes contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms/effects after inhalation</b>	Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
<b>Symptoms/effects after skin contact</b>	Defatting, drying and cracking of skin.
<b>Symptoms/effects after eye contact</b>	Direct contact with the eyes is likely to be irritating.
<b>Symptoms/effects after ingestion</b>	Ingestion may cause nausea and vomiting. Diarrhea.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically.
<b>5. SECTION 5: Firefighting measures</b>	
<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water spray. Dry powder. Foam. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use a water jet since it may cause the fire to spread.
<b>5.2. Special hazards arising from the substance or mixture</b>	
<b>Explosion hazard</b>	Heat may cause pressure rise with explosion of tanks/drums.
<b>Hazardous combustion products</b>	Toxic fumes may be released. Thermal decomposition generates : Carbon oxides (CO, CO <sub>2</sub> ).
<b>5.3. Advice for firefighters</b>	
<b>Precautionary measures fire</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
<b>Protection during firefighting</b>	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
<b>6. SECTION 6: Accidental release measures</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>For non-emergency personnel</b>	
<b>Protective equipment</b>	For personal protection, see section 8 of the SDS.
<b>Emergency procedures</b>	Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing mist or vapor. Spill area may be slippery.
<b>For emergency responders</b>	
<b>Protective equipment</b>	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
<b>Emergency procedures</b>	Keep unnecessary personnel away.
<b>6.2. Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases.
<b>6.3. Methods and material for containment and cleaning up</b>	
<b>Methods for cleaning up</b>	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Take up liquid spill into absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.
<b>Other information</b>	Dispose of materials or solid residues at an authorized site.

**6.4. Reference to other sections** For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## 7. SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Precautions for safe handling** Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

**Hygiene measures** Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

**Storage conditions** Containers which are opened should be properly resealed and kept upright to prevent leakage. Store in original tightly closed container. Store in a dry, cool and well-ventilated place. Do not handle, store or open near an open flame, sources of heat or sources of ignition.

**Storage area** Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

**7.3. Specific end use(s)** Transmission Oil.

## 8. SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Contains no substances with occupational exposure limits.

**DNEL: Derived no effect level**

No data available

Components	Type	Route	Value	Form
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Worker	Dermal	1 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2.7 mg/m <sup>3</sup>	Long-term - systemic effects
		Inhalation	5.6 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Oral	0.74 mg/kg bodyweight/day	Long-term - systemic effects
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	Worker	Dermal	1 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2.7 µg/m <sup>3</sup>	Long-term - systemic effects
		Inhalation	5.6 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Oral	0.74 mg/kg bodyweight/day	Long-term - systemic effects
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	Worker	Dermal	1 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	2.7 mg/m <sup>3</sup>	Long-term - systemic effects
		Inhalation	5.6 mg/m <sup>3</sup>	Long-term - local effects
	Consumer	Oral	0.74 mg/kg bodyweight/day	Long-term - systemic effects
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)	Worker	Dermal	9.6 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	6.6 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	0.19 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	1.67 mg/m <sup>3</sup>	Long-term - systemic effects
Zinc isodecyl phosphorodithioate (25103-54-2)	Worker	Dermal	9.29 mg/kg bw/day	Long-term - systemic effects
		Inhalation	6.55 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	0.19 mg/kg bw/day	Long-term - systemic effects
		Inhalation	1.61 mg/m <sup>3</sup>	Long-term - systemic effects

		Dermal	4.65 mg/kg bw/day	Long-term - systemic effects
2,6-di-tert-butylphenol (128-39-2)	Worker	Dermal	11.25 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	70.61 µg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	6.75 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	20.9 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	6.75 mg/kg bodyweight/day	Long-term - systemic effects
reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives (192268-65-8)	Worker	Inhalation	1.76 mg/m <sup>3</sup>	Long-term - systemic effects
	Consumer	Oral	0.25 mg/kg bodyweight/day	Long-term - systemic effects
		Inhalation	0.43 mg/m <sup>3</sup>	Long-term - systemic effects
		Dermal	0.25 mg/kg bodyweight/day	Long-term - systemic effects

**PNEC: Predicted no effect concentration**

No data available

Components	Type	Route	Value	Form
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Not applicable	Oral	9.33 kg/kg food	Secondary Poisoning
Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	Not applicable	Oral	9.33 mg/kg food	Secondary Poisoning
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	Not applicable	Oral	9.33 mg/kg food	Secondary Poisoning
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts (85940-28-9)	Not applicable	Freshwater	0.002 mg/l	Freshwater Seawater
		Seawater	0 mg/l	
		sediment	19.3 mg/kg dwt	
		sediment	1.93 mg/kg dwt	
		Soil	15.7 mg/kg dwt	
		STP	100 mg/l	
Zinc isodecyl phosphorodithioate (25103-54-2)	Not applicable	Freshwater	0.2 µg/L	Intermittent release
		Freshwater	2 µg/L	
2,6-di-tert-butylphenol (128-39-2)	Not applicable	Freshwater	0.001 mg/l	Intermittent release Freshwater Seawater Secondary Poisoning
		Seawater	0 mg/l	
		Freshwater	0.004 mg/l	
		sediment	0.317 mg/kg dwt	
		sediment	0.032 mg/kg dwt	
		Soil	0.697 mg/kg dwt	
		Oral	60 mg/kg food	
		STP	10 mg/l	
reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives (192268-65-8)	Not applicable	sediment	2250 mg/kg dwt	Freshwater Seawater Secondary Poisoning
		sediment	225 mg/kg dwt	
		Soil	9.47 mg/kg dwt	
		Oral	1000 mg/kg food	
		STP	32 mg/l	

## 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level		
<b>Materials for protective clothing</b>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment		
<b>Individual protection measures, such as personal protective equipment (PPE)</b>			
<b>Eye protection</b>	Safety glasses		
<b>Skin protection</b>			
<b>Hand protection</b>	The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove		
<b>Material</b>	<b>Permeation</b>	<b>Thickness (mm)</b>	<b>Comments</b>
Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0,4	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
<b>Other protective measures</b>	No additional information available.		
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Filter type: A-P2		
<b>Skin and body protection</b>	Wear suitable protective clothing		
<b>Thermal hazard protection</b>	Wear appropriate thermal protective clothing, when necessary.		
<b>Environmental exposure controls</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases.		

## 9. SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Liquid
<b>Colour</b>	brown.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Relative evaporation rate (butylacetate=1)</b>	No data available
<b>Melting point</b>	Not applicable
<b>Pour point</b>	-45 °C
<b>Freezing point</b>	No data available
<b>Boiling point</b>	No data available
<b>Flash point</b>	> 190 °C
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour pressure</b>	No data available
<b>Relative vapour density at 20 °C</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	< 1 g/cm <sup>3</sup> @15°C
<b>Solubility</b>	insoluble in water.
<b>Log Pow</b>	No data available
<b>Viscosity, kinematic</b>	31 mm <sup>2</sup> /s @40°C
<b>Viscosity, dynamic</b>	No data available
<b>Explosive properties</b>	No data available

<b>Oxidising properties</b>	No data available
<b>Explosive limits</b>	No data available
<b>9.2. Other information</b>	
<b>VOC (EU)</b>	Not applicable.
<b>10. SECTION 10: Stability and reactivity</b>	
<b>10.1. Reactivity</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reactions known under normal conditions of use.
<b>10.4. Conditions to avoid</b>	None under recommended storage and handling conditions (see section 7).
<b>10.5. Incompatible materials</b>	Oxidising agents.
<b>10.6. Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>11. SECTION 11: Toxicological information</b>	
<b>11.1. Information on toxicological effects</b>	
<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based on available data, the classification criteria are not met. (The eye classification of this product was derived using bridging principles (such as dilution, interpolation within one hazard category or substantially similar mixtures; with or without expert judgement) following Article 9(3) and Article 9(4) of Regulation (EC) No 1272/2008)
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met (All hydrocarbons in this mixture: Note L is applicable (DMSO <3%), therefore no classification as carcinogen)
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met
<b>12. SECTION 12: Ecological information</b>	
<b>12.1. Toxicity</b>	
<b>Ecology - general</b>	Harmful to aquatic life with long lasting effects.
<b>12.2. Persistence and degradability</b>	
<b>Transmission Fluid 75W MX</b>	
<b>Persistence and degradability</b>	Expected to be biodegradable.
<b>12.3. Bioaccumulative potential</b>	
No additional information available.	

#### 12.4. Mobility in soil

##### Transmission Fluid 75W MX

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Ecology - soil	Spillages may penetrate the soil causing ground water contamination.
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#### 12.5. Results of PBT and vPvB assessment

##### Transmission Fluid 75W MX

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

#### 12.6. Other adverse effects

Additional information	Spillages may penetrate the soil causing ground water contamination.
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### 13. SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)	Dispose of in accordance with local regulations.
Waste treatment methods	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Collect and reclaim or dispose in closed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.
Product/Packaging disposal recommendations	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
European List of Waste (LoW) code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
15 01 10*	packaging containing residues of or contaminated by dangerous substances

### 14. SECTION 14: Transport information

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

Not regulated for transport

### 15. SECTION 15: Regulatory information

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

##### EU-Regulations

##### The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006

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Transmission Fluid 75W MX ; Distillates (petroleum), hydrotreated heavy paraffinic ; Distillates (petroleum), hydrotreated light paraffinic ; Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts ; reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
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<p>Transmission Fluid 75W MX ; Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts ; Zinc isodecyl phosphorodithioate ; reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives</p> <p>Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts ; Zinc isodecyl phosphorodithioate ; 2,6-di-tert-butylphenol</p> <p>Contains no substance on the REACH candidate list</p> <p>Contains no REACH Annex XIV substances</p>	<p>3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1</p> <p>72. The substances listed in column 1 of the Table in Appendix 12</p>
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**VOC (EU)**

Not applicable.

**Other information, restriction and prohibition regulations**

Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. Directive 94/33/EC on the protection of young people at work, as amended. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. For details, refer to section 3 and 8.

**Seveso Information**

Not applicable

**National regulations**

No additional information available.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**16. SECTION 16: Other information**

**Indication of changes**

None.

**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
AGW	Occupational exposure limit value
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Federal Institute for Materials Research and Testing, Germany
BAT	Maximum permissible concentration of biological working substances.
BCF	Bio-concentration factor.
BLV	Biological limit values
BLV	Biological limit values (BGW, Austria)
BMGV	Biological Monitoring Guidance Value (EH40,UK).
BOD5	Biochemical oxygen demand within 5 days
BOD	Biochemical oxygen demand
bw	Body weight.
calcd.	Calculated
CAS	Chemical Abstract Service.
CEN	European Committee for Standardization
CESIO	European Committee on Organic Surfactants and their Intermediates.
COD	Chemical oxygen demand
CLP	Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CMR	Carcinogenic, Mutagenic or Reproduction Toxic Substances

CSA	Chemical safety assessment
CSR	Chemical Safety Report.
DMEL	Derived Minimum Effect Level.
DNEL	Derived no effect level
EAC	European waste catalogue
EC	European community
EC50	Effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EN	European norm.
ERC	ERC (Environmental Release category)
EU	European Union
GLP	Good Laboratory Practice.
GHS	Globally Harmonized System of Classification and Labeling of Chemicals.
GW/VL	Occupational exposure limit value.
GW-kw/VL-cd	Occupational exposure limit value - short term.
GW-M/VL-M	Occupational exposure limit value – "Ceiling".
IATA	International Air Transport Association
IBC code	International Bulk Chemical (Code) (International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk).
ICAO	International Civil Aviation Organization
IC50	Inhibition Concentration 50%.
IECSC	Inventory of Existing Chemical Substances in China.
IMDG	International Maritime Dangerous Goods
ISO	International Standards Organization.
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration 50%.
LCLo	Lowest published lethal concentration.
LD50	Lethal Dose 50%.
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest observable effect concentration.
LOEL	Lowest observable effect level.
LQ	Limited quantities
TRK-Kzw	Threshold limit value - Short-term exposure limit / Technical reference concentration - short-time value, Austria.
MAK-Mow	Maximum allowable workplace concentration – instantaneous value, Austria.
MAK-Tmw, TRK-Tmw	Maximum allowable workplace concentration – daily mean value / Technical standard concentration – daily mean value, Austria.
MAK	Threshold limit values Germany.
MARPOL	International Convention for the Prevention of Pollution from Ships.
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
NOEL	no-observed-effect level
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limits
PBT	Persistent Bioaccumulative Toxic

PC (Chemical product category)	PC (Chemical product category)
PNEC	Predicted No-Effect Concentration
POCP	Photochemical ozone creation potential.
POP	Persistent Organic Pollutants
PPE	Personal protective equipment
Process category	Process category
REACH	Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SCL	Specific concentration limit.
STEL	Short-term Exposure Limit
STP	Sewage treatment plant
SU (Sector of use)	SU (Sector of use)
SVHC	Substance of Very High Concern.
TLV	Threshold Limit Value
TRGS	Technical Rules for Hazardous Substances (German Standard).
TWA	Time Weighted Average
UVCB	Substances of Unknown or Variable composition, Complex reaction products or Biological materials
VbF	Ordinance on Flammable Liquids, Austria
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
WEL-TWA	Workplace Exposure Limit-Long term exposure limit (8-hour TWA(=time weighted average)reference period).
WEL-STEL	Workplace Exposure Limit-Short term exposure limit (15-minute reference period).

**Classification according to Regulation (EC) No. 1272/2008**

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Aquatic Chronic 3	H412
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**Full text of H- and EUH-statements**

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Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1.
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2.
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3.
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4.
Asp. Tox. 1	Aspiration hazard, Category 1.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1.
Repr. 2	Reproductive toxicity, Category 2.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
H304	May be fatal if swallowed and enters airways..
H315	Causes skin irritation..
H318	Causes serious eye damage..
H361d	Suspected of damaging the unborn child..
H400	Very toxic to aquatic life..
H410	Very toxic to aquatic life with long lasting effects..
H411	Toxic to aquatic life with long lasting effects..
H412	Harmful to aquatic life with long lasting effects..

H413

May cause long lasting harmful effects to aquatic life..

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008  
[CLP]**

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Aquatic Chronic 3

H412

Calculation method

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*