



WOLF OFFICIALTECH 75W80

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 17/02/2017 Revision date: 05/11/2021 Supersedes version of: 30/10/2020 Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Product name : WOLF OFFICIALTECH 75W80
UFI : RVAK-A443-352M-RW5T
Product code : 23300
Type of product : WOLF
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use
Industrial/Professional use spec : Non-dispersive use
Used in closed systems
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

WOLF OIL CORPORATION N.V.
Georges Gilliotstraat, 52
2620 Hemiksem – Antwerpen
België
T 0032 (0)3 870 00 00 - F 0032 (0)3 870 00 99

1.4. Emergency telephone number

Emergency number : 0032 (0)3 870 00 00

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

No additional information available

2.2. Label elements

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

EUH-statements : EUH208 - Contains Phosphoric acid ester amine salt . May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Comments : The mineral oils in the product contain < 3% DMSO extract (IP 346)

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------------------|--|------------|--|
| Polysulphides, di-tert-Bu | CAS-No.: 68937-96-2 EC-No.: 273-103-3 REACH-no: 01-2119540515-43 | 1 – 4.59 | Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| Phosphoric acid ester amine salt | EC-No.: 931-384-6 REACH-no: 01-2119493620-38 | 1 – 2.49 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| ** O,O,O-triphenyl phosphorothioate | CAS-No.: 597-82-0 EC-No.: 209-909-9 REACH-no: 01-2119979545-21 | 0.1 – 0.99 | Repr. 2, H361fd |
| Magnesium metaborate | CAS-No.: 13703-82-7 EC-No.: 237-235-5 REACH-no: 01-2119976351-35 | 0.1 – 0.5 | Skin Sens. 1B, H317 |

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 |
| Phosphoric acid ester amine salt | EC-No.: 931-384-6 REACH-no: 01-2119493620-38 | (9.39 ≤C < 100) Skin Sens. 1, H317 (50 ≤C < 100) Eye Dam. 1, H318 |
| Magnesium metaborate | CAS-No.: 13703-82-7 EC-No.: 237-235-5 REACH-no: 01-2119976351-35 | (15 ≤C < 100) Skin Sens. 1B, H317 |

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 : Not expected to require first aid measures.
First-aid measures after skin contact : Wash skin with mild soap and water.
First-aid measures after eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.

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

Symptoms/effects after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact : May cause sensitization by skin contact.
Symptoms/effects after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

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Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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 : Water fog. Foam. Powder. Dry chemical product.
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

Precautionary measures fire : Exercise caution when fighting any chemical fire.
Firefighting instructions : Use water spray or fog for cooling exposed containers.
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 : Wear suitable protective clothing and gloves.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment : Impound and recover large spill by mixing it with inert granular solids.
Methods for cleaning up : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.
Other information : Spill area may be slippery. Use suitable disposal containers.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.
Handling temperature : < 40 °C
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : ≤ 40 °C
Storage area : Store in dry, cool, well-ventilated area.

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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

No additional information available

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

Additional information

: 5 mg/m³ for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Hand protection:

Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm. Nitrile rubber (NBR) /

8.2.2.3. Respiratory protection

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : Oily liquid. |
| Colour | : Yellow. |
| 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 | : No data available |
| Boiling point | : No data available |
| Flash point | : > 200 °C @ ASTM D92 |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 877 kg/m ³ @ 15°C |
| Solubility | : Slightly soluble, the product remains on the water surface. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : 55 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

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong oxidizers. acids. Bases.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified

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| | |
|-----------------------------------|--|
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified (When the substance phosphoric acid ester amine salt, is present at less than 50% in the finished product, it will not be classified as eye damage category 2. This information is based on a experimentally derived specific concentration limit.) |
| 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 |

Phosphoric acid ester amine salt

| | |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | 150 mg/kg bodyweight/day @28d (OECD 407) |
|----------------------------|--|

Aspiration hazard : Not classified

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| | |
|----------------------|------------------------------|
| Viscosity, kinematic | 55 mm ² /s @ 40°C |
| Hydrocarbon | Yes |

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

** O,O,O-triphenyl phosphorothioate (597-82-0)

| | |
|----------------------|-------------------------------------|
| LC50 - Fish [1] | > 100 mg/l (Brachydanio rerio) |
| EC50 - Crustacea [1] | > 100 mg/l (Daphnia magna) |
| EC50 72h - Algae [1] | 14.4 mg/l (Scenedesmus quadricauda) |
| NOEC (acute) | > 5.5 @ 21DY (Daphnia magna) |

Polysulphides, di-tert-Bu (68937-96-2)

| | |
|----------------------|--------------------------|
| EC50 - Crustacea [1] | 63 mg/l @2d |
| EC50 72h - Algae [2] | > 100 mg/l |
| EC50 96h - Algae [1] | > 10000 mg/l Slib @0.1DY |

Phosphoric acid ester amine salt

| | |
|------------------------|--|
| LC50 - Fish [1] | 24 mg/l @4d Oncorhynchus mykiss |
| LC50 - Fish [2] | 8.5 mg/l Pimephales promelas @4d |
| EC50 - Crustacea [1] | 91.4 mg/l Daphnia magna |
| EC50 72h - Algae [1] | 6.4 mg/l Selenastrum capricornutum |
| NOEC (chronic) | 3.2 mg/l Oncorhynchus mykiss @4d |
| NOEC chronic crustacea | 0.12 mg/l Daphnia magna @2d |
| NOEC chronic algae | 1.7 mg/l Selenastrum capricornutum @4d |

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12.2. Persistence and degradability

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| | |
|-------------------------------|--|
| Persistence and degradability | Not soluble in water, so only minimally biodegradable. |
|-------------------------------|--|

Polysulphides, di-tert-Bu (68937-96-2)

| | |
|----------------|----------------------|
| Biodegradation | 13 % % @OECD TG @28d |
|----------------|----------------------|

Phosphoric acid ester amine salt

| | |
|-----------------|-----------------------------------|
| BOD (% of ThOD) | 3.6 % ThOD @28d inherent sediment |
|-----------------|-----------------------------------|

| | |
|----------------|--------------------------------|
| Biodegradation | 7.4 % Sturm (28d) OECD TG 301B |
|----------------|--------------------------------|

12.3. Bioaccumulative potential

** O,O,O-triphenyl phosphorothioate (597-82-0)

| | |
|----------------|-------|
| BCF - Fish [1] | 2.551 |
|----------------|-------|

Polysulphides, di-tert-Bu (68937-96-2)

| | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 6 |
|---|---|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Additional information : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1 UN number

| | |
|---------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |

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 |

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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

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 : No

Marine pollutant : No

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 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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

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Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
List of sensitizing substances (TRGS 907) : Contains sensitizing substances according TRGS 907

Netherlands

SZW-lijst van kankerverwekkende stoffen : Polysulphides, di-tert-Bu is listed
SZW-lijst van mutagene stoffen : Polysulphides, di-tert-Bu is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Switzerland

Storage class (LK) : LK 10/12 - Liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes

| Section | Changed item | Change | Comments |
|---------|---|----------|----------|
| | Revision date | Modified | |
| | Supersedes | Modified | |
| | Comments (on top of composition) | Added | |
| 2.1 | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Modified | |
| 2.2 | EUH-statements | Added | |
| 3 | Composition/information on ingredients | Modified | |
| 7.2 | Storage temperature | Modified | |
| 11.1 | Reason for no classification | Added | |
| 15.1 | Water hazard class (WGK) | Added | |

Abbreviations and acronyms:

| | |
|--|--|
| | ACGIH: American Conference of Governmental Industrial Hygienists |
| | TWA: Time Weighted Average |
| | TLV: Threshold Limit Value |
| | ASTM: American Society for Testing and Materials |
| | ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route |
| | RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail |
| | ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin |
| | IMDG: International Maritime Dangerous Goods |
| | ICAO: International Civil Aviation Organization |

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Abbreviations and acronyms:

| | |
|--|---|
| | IATA: International Air Transport Association |
| | STEL: Short Term Exposure Limit |
| | LD50: median Lethal Dose for 50% of subjects |
| | ATE: acute toxicity estimate |
| | LC50: median Lethal Concentration for 50% of subjects |
| | EC50: concentration producing 50% effect |

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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 Phosphoric acid ester amine salt . May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| H302 | Harmful if swallowed. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Repr. 2 | Reproductive toxicity, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| 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.