

SAFETY DATA SHEET

Quantum Wax Polish

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

1.1. Product identifier

| | |
|--------------------------------|--------------------------------|
| Product name | Quantum Wax Polish |
| Product number | ZGBWAXPOLSH05L, ZGBWAXPOLSHSAM |
| Internal identification | B20965, 30053, 30071 |

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

| | |
|-----------------------------|---|
| Identified uses | Car maintenance product. Polish. |
| Uses advised against | This product is not recommended for any industrial, professional or consumer use other than the identified uses stated above. |

1.3. Details of the supplier of the safety data sheet

| | |
|-----------------|---|
| Supplier | Volkswagen Group United Kingdom Ltd Yeomans Drive Blakelands Milton Keynes |
| | MK14 5AN 01908 601601 |

1.4. Emergency telephone number

| | |
|----------------------------|---|
| Emergency telephone | Tel: +44 1604 701111 (Office Hours Monday - Friday (0900 Hrs - 1700 Hrs)) |
|----------------------------|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|------------------------------|----------------|
| Physical hazards | Not Classified |
| Health hazards | Not Classified |
| Environmental hazards | Not Classified |

Human health The product contains small amounts of organic solvents. The product is considered to be a low hazard under normal conditions of use. May be slightly irritating to skin.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical When handled correctly, undamaged units represent no danger.

2.2. Label elements

| | |
|---------------------------------|---|
| Hazard statements | NC Not Classified |
| Precautionary statements | P102 Keep out of reach of children. P270 Do not eat, drink or smoke when using this product. |

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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| | |
|---|--|
| HYDROCARBONS, C11-C14, ISOALKANES, CYCLICS, <2% AROMATICS | 5-10% |
| CAS number: — | EC number: 927-285-2 |
| | REACH registration number: 01-2119480162-45-XXXX |

| |
|---|
| Classification Asp. Tox. 1 - H304 |
|---|

| | |
|--|-------------|
| QUATERNARY POLYDIMETHYLSILOXANE | 1-5% |
| CAS number: — | |

| |
|---|
| Classification Not Classified |
|---|

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|--|
| General information | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues. |
| Inhalation | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| Ingestion | Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues. |
| Skin contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

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

| | |
|----------------------------|--|
| General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| Inhalation | This is unlikely to occur but symptoms similar to those of ingestion may develop. |
| Ingestion | This is an unlikely accidental route of exposure, but when Ingested in large amounts:- May cause stomach pain or vomiting. |
| Skin contact | Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. |
| Eye contact | May cause temporary eye irritation. |

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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Unsuitable extinguishing media No unsuitable extinguishing media noted

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Do not get in eyes, on skin or on clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

QUATERNARY POLYDIMETHYLSILOXANE

No exposure limit value known.

C9-11 ALCOHOL ETHOXYLATE 2.5MEO

No exposure limit value known.

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POLYETHER MODIFIED TRISILOXANE

No exposure limit value known.

3-BUTOXYPROPAN-2-OL

Long-term exposure limit (8-hour TWA): TWA 50 ppm

WHITE MINERAL OIL

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

Short-term exposure limit (15-minute): ACGIH 10 mg/m³

SODIUM LAURYL ETHER SULPHATE

No exposure limit value known.

ALCOHOLS, C11-15 SECONDARY ETHOXYLATED.

No exposure limit value known.

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³

Sk

PROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 474 mg/m³ 150 ppm particulate vapour

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

GLYOXAL...%

Belgium - OEL - TWA: 0.1 mg/m³; Finland 0.02mg/m³

POLY(ETHYLENE GLYCOL)

No exposure limit value known.

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

QUATERNARY POLYDIMETHYLSILOXANE

DNEL No DNEL available.

PNEC No PNEC available.

MONTAN WAX (CAS: 8002-53-7)

DNEL No DNEL available.

PNEC No PNEC available.

XANTHAN GUM (CAS: 11138-66-2)

DNEL No DNEL available.

PNEC No PNEC available.

CARNAUBA WAX (CAS: 8015-86-9)

DNEL No DNEL available.

PNEC No PNEC available.

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C9-11 ALCOHOL ETHOXYLATE 2.5MEO (CAS: 68439-46-3)

DNEL No DNEL available.

PNEC No PNEC available.

POLYETHER MODIFIED TRISILOXANE (CAS: 134180-76-0)

DNEL No DNEL available.

PNEC No PNEC available.

3-BUTOXYPROPAN-2-OL (CAS: 5131-66-8)

DNEL Workers - Inhalation; Long term systemic effects: 270.5 mg/m³
Workers, General population - Inhalation, Dermal; Long term local effects: 50% in mixture
Workers, General population - Inhalation, Dermal; Short term Acute: 50% in mixture
Workers - Dermal; Long term systemic effects: 44 mg/kg bw/day
General population - Inhalation; Long term systemic effects: 33.8 mg/m³
General population - Dermal; Long term systemic effects: 16 mg/kg bw/day
General population - Oral; Long term systemic effects: 8.75 mg/kg bw/day

PNEC - Fresh water; 0.525 mg/l
- Marine water; 0.0525 mg/l
- Intermittent release; 5.25 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 2.36 mg/kg sediment dw
- Sediment (Marinewater); 0.236 mg/kg sediment dw
- Soil; 0.16 mg/kg soil dw

WHITE MINERAL OIL (CAS: 8042-47-5)

DNEL No DNEL available.

PNEC No PNEC available.

SODIUM LAURYL ETHER SULPHATE (CAS: 9004-82-4)

DNEL No DNEL available.

PNEC No PNEC available.

TALLOWETH-6 (CAS: 61791-28-4)

DNEL No DNEL available.

PNEC No PNEC available.

ALCOHOLS, C11-15 SECONDARY ETHOXYLATED. (CAS: 68131-40-8)

DNEL No DNEL available.

PNEC No PNEC available.

2-BUTOXYETHANOL (CAS: 111-76-2)

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DNEL

- Industry - Dermal; Short term : 89 mg/kg/day
- Industry - Inhalation; Short term : 663 mg/m³
- Industry - Dermal; Long term : 75 mg/kg/day
- Industry - Inhalation; Long term : 98 mg/m³
- Consumer - Dermal; Short term : 44.5 mg/kg/day
- Consumer - Oral; Short term : 13.4 mg/kg/day
- Consumer - Inhalation; Short term : 123 mg/m³
- Consumer - Inhalation; Long term : 49 mg/m³

PNEC

- Fresh water; 8.8 mg/l
- Marine water; 0.88 mg/l
- Soil; 3.13 mg/kg soil dw
- Intermittent release; 9.1 mg/l
- Sediment (Freshwater); 34.6 mg/kg sediment dw
- Sediment (Marinewater); 3.46 mg/kg sediment dw
- STP; 463 mg/l

PROPYLENE GLYCOL (CAS: 57-55-6)

DNEL

- Industry - Inhalation; Long term systemic effects: 168 mg/m³
- Industry - Inhalation; Long term local effects: 10 mg/m³
- Consumer - Inhalation; Long term systemic effects: 50 mg/m³
- Consumer - Inhalation; Long term local effects: 10 mg/m³

PNEC

- Fresh water; 260 mg/l
- Marine water; 26 mg/l
- STP; 20000 mg/kg
- Sediment (Freshwater); 572 mg/kg
- Sediment (Marinewater); 57.2 mg/kg
- Soil; 50 mg/kg
- Intermittent release; 183 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

- Consumer - Inhalation; local effects: 1 mg/m³
- Industry - Inhalation; Long term local effects: 1 mg/m³

GLYOXAL...% (CAS: 107-22-2)

DNEL

- Workers - Inhalation; Long term systemic effects: 5.29 mg/m³
- Workers - Inhalation; Long term local effects: 0.04 mg/m³
- Workers - Dermal; Long term systemic effects: 10.8 mg/kg bw/day
- General population - Inhalation; Long term systemic effects: 1.3 mg/m³
- General population - Inhalation; Long term local effects: 0.01 mg/m³
- General population - Dermal; Long term systemic effects: 5.4 mg/kg bw/day
- General population - Oral; Long term systemic effects: 0.6 mg/kg bw/day

PNEC

- Fresh water; 0.319 mg/l
- Marine water; 0.0319 mg/l
- Intermittent release; 1.1 mg/l
- STP; 4.1 mg/l
- Sediment (Freshwater); 0.685 mg/kg sediment dw
- Sediment (Marinewater); 0.0685 mg/kg sediment dw
- Soil; 4.06 mg/kg soil dw

POLY(ETHYLENE GLYCOL) (CAS: 25322-68-3)

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| | |
|-------------|--|
| DNEL | Workers - Inhalation; Long term systemic effects: 0.4182 mg/m ³ Workers - Dermal; Long term systemic effects: 0.2372 mg/kg bw/day General population - Inhalation; Long term systemic effects: 0.1031 mg/m ³ General population - Dermal; Long term systemic effects: 0.1186 mg/kg bw/day General population - Oral; Long term systemic effects: 0.0593 mg/kg bw/day |
| PNEC | - Fresh water; 0.188 mg/l - Marine water; 0.0188 mg/l - Intermittent release; 1.88 mg/l - STP; 72.92 mg/l - Sediment (Freshwater), Sediment (Marinewater); 188 mg/kg sediment dw - Soil; 52.264 mg/kg soil dw |

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. protective gloves shall be replaced immediately when physically damaged or worn. Appropriate Material - Butyl, Material Thickness - 0.6 to 0.8mm, Breakthrough Time - 8Hrs

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | |
|----------------------|--|
| Appearance | Viscous liquid. Opaque liquid. |
| Colour | White/off-white. |
| Odour | Very Slight Odour Ethereal |
| pH | pH (concentrated solution): 6.0 to 8.0 |
| Melting point | -3°C |

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| | |
|-------------------------|---|
| Flash point | >150°C Closed cup. |
| Relative density | 0.955 - 0.970 @ 20°C |
| Solubility(ies) | Miscible with water. |
| Viscosity | 2800 to 3200 cP @ 20°C |
| Comments | Information given is applicable to the product as supplied. |

9.2. Other information

| | |
|----------------------------------|--|
| Volatile organic compound | This product contains a maximum VOC content of 80 g/litre. |
|----------------------------------|--|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|-------------------|---|
| Reactivity | There are no known reactivity hazards associated with this product. |
|-------------------|---|

10.2. Chemical stability

| | |
|------------------|---|
| Stability | No particular stability concerns. Stable at normal ambient temperatures and when used as recommended. |
|------------------|---|

10.3. Possibility of hazardous reactions

| | |
|---|--------------------------------------|
| Possibility of hazardous reactions | Not applicable. Will not polymerise. |
|---|--------------------------------------|

10.4. Conditions to avoid

| | |
|----------------------------|---|
| Conditions to avoid | Avoid excessive heat for prolonged periods of time. Avoid freezing. |
|----------------------------|---|

10.5. Incompatible materials

| | |
|---------------------------|--|
| Materials to avoid | Strong alkalis. Strong acids. Strong oxidising agents. |
|---------------------------|--|

10.6. Hazardous decomposition products

| | |
|---|--|
| Hazardous decomposition products | Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂). |
|---|--|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|------------------------------|---|
| Toxicological effects | The product is not expected to be toxic to aquatic organisms. |
|------------------------------|---|

| | |
|-----------------------------|---|
| Other health effects | There is no evidence that the product can cause cancer. |
|-----------------------------|---|

| | |
|----------------------------|---|
| General information | To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. |
|----------------------------|---|

| | |
|-------------------|--|
| Inhalation | Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. |
|-------------------|--|

| | |
|------------------|------------------------------------|
| Ingestion | May cause discomfort if swallowed. |
|------------------|------------------------------------|

| | |
|---------------------|---------------------------|
| Skin contact | Liquid may irritate skin. |
|---------------------|---------------------------|

| | |
|--------------------|--|
| Eye contact | Vapour or spray in the eyes may cause irritation and smarting. |
|--------------------|--|

| | |
|---|---|
| Acute and chronic health hazards | Not expected to be a health hazard when used under normal conditions. |
|---|---|

| | |
|--------------------------|---|
| Route of exposure | Inhalation Skin absorption Ingestion. Skin and/or eye contact |
|--------------------------|---|

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Medical symptoms No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Toxicological information on ingredients.

HYDROCARBONS, C11-C14, ISOALKANES, CYCLICS, <2% AROMATICS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,001.0

Species Rat

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,161.0

Species Rabbit

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 3,161.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 5.7

Species Rat

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (dusts/mists mg/l) 5.7

Skin corrosion/irritation

Animal data Repeated or prolonged contact may cause irritation, since the material may remove the natural greases in skin, resulting in dryness, cracking and possibly dermatitis.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

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Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. May be fatal if swallowed and enters airways.

Inhalation Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Ingestion Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact May be slightly irritating to eyes.

Acute and chronic health hazards Aspiration hazard if swallowed.

POLYETHER MODIFIED TRISILOXANE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,200.0

Species Rat

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 3,200.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 1,550.0

Species Rabbit

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 1,550.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 1.08

Species Rat

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (dusts/mists mg/l) 1.08

Quantum Wax Polish

Skin corrosion/irritation

Animal data Slightly irritating. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Irritating to eyes: Category 2.

Respiratory sensitisation

Respiratory sensitisation Data lacking.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure

STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Data lacking.

Aspiration hazard

Aspiration hazard Not considered an aspiration hazard.

2-BUTOXYETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,414.0

Species Guinea pig

ATE oral (mg/kg) 1,414.0

Acute toxicity - dermal

ATE dermal (mg/kg) 2,000.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

Skin corrosion/irritation

Extreme pH Slightly irritating. Rabbit

Serious eye damage/irritation

Serious eye damage/irritation Slightly irritating. Rabbit

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Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development No evidence of reproductive toxicity in animal studies.

Inhalation Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Ingestion Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact Irritation of eyes and mucous membranes.

Route of exposure Ingestion Inhalation

Target organs Brain Respiratory system, lungs Mucous membranes

Medical symptoms Skin irritation. Irritation of eyes and mucous membranes. High concentration of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SECTION 12: Ecological Information

Ecotoxicity The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

HYDROCARBONS, C11-C14, ISOALKANES, CYCLICS, <2% AROMATICS

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EL50, 48 hours: >1000 mg/l,

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Acute toxicity - aquatic plants EL50, 72 hours: >1000 mg/l, Pseudokirchneriella subcapitata

POLYETHER MODIFIED TRISILOXANE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 2.1 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1.1 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, Effect on biomass., 72 hours: 28.2 mg/l, Scenedesmus subspicatus

2-BUTOXYETHANOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1464 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1800 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 911 mg/l, Pseudokirchneriella subcapitata
NOEC, 72 hours: 88 mg/l, Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer. The product is biodegradable but it must not be discharged into drains without permission from the authorities.

Ecological information on ingredients.

HYDROCARBONS, C11-C14, ISOALKANES, CYCLICS, <2% AROMATICS

Persistence and degradability The product is readily biodegradable.

POLYETHER MODIFIED TRISILOXANE

Persistence and degradability Data lacking.

2-BUTOXYETHANOL

Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Soluble in water, low potential for bioaccumulation. The product shows little or no tendency to bioaccumulate, and poses no long term threat to wildlife.

Ecological information on ingredients.

HYDROCARBONS, C11-C14, ISOALKANES, CYCLICS, <2% AROMATICS

Quantum Wax Polish

Bioaccumulative potential No data available on bioaccumulation.

POLYETHER MODIFIED TRISILOXANE

Bioaccumulative potential No data available on bioaccumulation.

2-BUTOXYETHANOL

Partition coefficient log Pow: < 2 : 0.8

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems. The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

HYDROCARBONS, C11-C14, ISOALKANES, CYCLICS, <2% AROMATICS

Mobility The product contains substances which are insoluble in water and which may spread on water surfaces.

POLYETHER MODIFIED TRISILOXANE

Mobility Data lacking.

2-BUTOXYETHANOL

Mobility The product is soluble in water.

Henry's law constant 0.0098 Pa m³/mol @ °C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

HYDROCARBONS, C11-C14, ISOALKANES, CYCLICS, <2% AROMATICS

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

POLYETHER MODIFIED TRISILOXANE

Results of PBT and vPvB assessment Data lacking.

2-BUTOXYETHANOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not applicable.

Ecological information on ingredients.

POLYETHER MODIFIED TRISILOXANE

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Other adverse effects The product is considered to be a water pollutant by German Law. Do not allow to enter soil, waterways and/or waste water channels.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. The packaging must be empty (drop-free when inverted).

Disposal methods Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

EU legislation Dangerous Substances Directive 67/548/EEC.
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 (as amended).

Quantum Wax Polish

Guidance Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG228.
Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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| Revision comments | NOTE: Lines within the margin indicate significant changes from the previous revision. |
| Issued by | HS&E Manager. |
| Revision date | 29/06/2018 |
| Revision | 3 |
| Supersedes date | 15/06/2015 |
| SDS status | Approved. |
| Hazard statements in full | H304 May be fatal if swallowed and enters airways. |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.