# SAFETY DATA SHEET
# QUANTUM SHOWROOM POLISH

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

### 1.1. Product identifier

**Product name** QUANTUM SHOWROOM POLISH

**Product number** ZGBSHWRMPOL750

**Internal identification** B20961, 30060

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

**Identified uses** Automotive 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 hazardous properties of the product regarding human health are considered limited. May cause temporary skin or eye irritation.

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

**Physicochemical** Not considered to be a significant hazard due to the small quantities used.

### 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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| | | |
|---|---|---|
| **ETHANOL** | | **1-5%** |
| CAS number: 64-17-5 | EC number: 200-578-6 | REACH registration number: 01-2119457610-43-XXXX |

**Classification**
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319

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** Not expected to be a health hazard when used under normal conditions.

**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 discomfort if swallowed.

**Skin contact** Prolonged and frequent contact may cause redness and irritation.

**Eye contact** Prolonged contact may cause redness and/or tearing.

### 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.

**Unsuitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** No unusual fire or explosion hazards noted.

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

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### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Extinguishing waters may present a risk of damage to the environmental, collect and dispose of as hazardous waste, in accordance with local legislation.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

## 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** Collect and dispose of spillage as indicated in Section 13. Collect and dispose of spillage as indicated in Section 13.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Non-hazardous substance. Stop leak if possible without risk. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

### 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. Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.

### 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. Keep only in the original container.

### 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

**ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

**C9-11 ALCOHOL ETHOXYLATE 2.5MEO**

No exposure limit value known.

**3-BUTOXYPROPAN-2-OL**

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

**METHANOL**

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Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³
Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³
Long-term exposure limit (8-hour TWA): 2006/15/EC 200 ppm 260 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

WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

**ETHANOL (CAS: 64-17-5)**

**DNEL**

Workers - Dermal; Long term systemic effects: 343 mg/kg
Workers - Inhalation; Long term systemic effects: 950 mg/m³
Workers - Inhalation; Short term Acute, local effects: 1900 mg/m³
Consumer - Inhalation; Short term Acute, local effects: 950 mg/m³
Consumer - Dermal; Long term systemic effects: 206 mg/kg
Consumer - Inhalation; Long term systemic effects: 114 mg/m³
Consumer - Oral; Long term systemic effects: 87 mg/kg

**PNEC**

- Fresh water; 0.96 mg/l
- Marine water; 0.79 mg/l
- STP; 580 mg/l
- Intermittent release; 2.75 mg/l
- Sediment (Freshwater); 3.6 mg/kg sediment dw
- Sediment (Marinewater); 2.9 mg/kg sediment dw
- Soil; 0.63 mg/kg soil dw

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

**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

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## METHANOL (CAS: 67-56-1)

**DNEL**

Industry - Dermal; Short term Acute: 40 mg/kg bw/day
Industry - Dermal; Long term systemic effects: 40 mg/kg bw/day
Industry - Inhalation; Short term Acute: 260 mg/m³
Industry - Inhalation; Long term systemic effects: 260 mg/m³
Consumer - Dermal; Short term Acute: 8 mg/kg bw/day
Consumer - Dermal; Long term systemic effects: 8 mg/kg bw/day
Consumer - Inhalation; Long term systemic effects: 50 mg/m³
Industry - Inhalation; Short term Acute: 260 mg/m³
Industry - Inhalation; Long term local effects: 260 mg/m³
Consumer - Inhalation; Short term Acute: 50 mg/m³
Consumer - Inhalation; Long term local effects: 50 mg/m³

**PNEC**

- Fresh water; 20.8 mg/l
- Marine water; 2.08 mg/l
- Soil; 3.18 mg/kg soil dw
- STP; 100 mg/l
- Sediment (Freshwater); 77 mg/kg sediment dw
- Intermittent release; 1540 mg/l
- Sediment (Marinewater); 7.7 mg/kg sediment dw

## 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

### 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. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

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|---|---|
| **Hand protection** | No specific hand protection recommended. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. |
| **Other skin and body protection** | Wear appropriate clothing to prevent any possibility of skin contact. Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Use appropriate skin cream to prevent drying of 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. 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

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|---|---|
| **Appearance** | Clear liquid. |
| **Colour** | Colourless. |
| **Odour** | Slight. Ethereal |
| **pH** | pH (concentrated solution): 6.50 to 8.50 |
| **Melting point** | -1°C |
| **Initial boiling point and range** | 100°C @ 760 mm Hg |
| **Flash point** | > 150°C Closed cup. |
| **Relative density** | 0.995 mg/L @ 20°C |
| **Solubility(ies)** | Completely soluble in water. |
| **Comments** | Information given is applicable to the product as supplied. |

### 9.2. Other information

| | |
|---|---|
| **Refractive index** | 1.340 to 1.345 |
| **Volatile organic compound** | This product contains a maximum VOC content of 30 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** | Stable at normal ambient temperatures and when used as recommended. No particular stability concerns. |

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

| | |
|---|---|
| **Conditions to avoid** | There are no known conditions that are likely to result in a hazardous situation. Avoid freezing. |

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

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|---|---|
| **Hazardous decomposition products** | Fire creates: Carbon monoxide (CO). Carbon dioxide ($CO_2$). |

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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|---|---|
| **Toxicological effects** | Materials used in this product have been shown to be of very low toxicity, but best practice dictates that prolonged exposure should be avoided. |
| **Other health effects** | There is no evidence that the product can cause cancer. |

**Acute toxicity - oral**

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|---|---|
| **ATE oral (mg/kg)** | 174,825.17 |

**Acute toxicity - dermal**

| | |
|---|---|
| **ATE dermal (mg/kg)** | 582,750.58 |

**Acute toxicity - inhalation**

| | |
|---|---|
| **ATE inhalation (vapours mg/l)** | 5,827.51 |

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|---|---|
| **General information** | To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. |
| **Inhalation** | No significant hazard at normal ambient temperatures. Heating may generate the following products: Irritating gases or vapours. |
| **Ingestion** | No harmful effects expected from quantities likely to be ingested by accident. Ingestion of large amounts may cause abdominal discomfort and nausea. |
| **Skin contact** | Skin irritation should not occur when used as recommended. Prolonged and frequent contact may cause redness and irritation. |
| **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 |
| **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.**

**ETHANOL**

**Acute toxicity - oral**

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|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 7,060.0 |
| **Species** | Rat |
| **ATE oral (mg/kg)** | 7,060.0 |

**Acute toxicity - dermal**

| | |
|---|---|
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 2,001.0 |
| **Species** | Rabbit |
| **ATE dermal (mg/kg)** | 2,001.0 |

**Acute toxicity - inhalation**

| | |
|---|---|
| **Acute toxicity inhalation ($LC_{50}$ vapours mg/l)** | 124.7 |
| **Species** | Rat |
| **ATE inhalation (vapours mg/l)** | 124.7 |

**Skin corrosion/irritation**

| | |
|---|---|
| **Animal data** | Not irritating. |

**Serious eye damage/irritation**

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

**Skin sensitisation**

| | |
|---|---|
| **Skin sensitisation** | Not sensitising. |

**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**

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

**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** | No data available. |

| | |
|---|---|
| **Ingestion** | After absorption: euphoria. After a latency period: dizziness, inebriation, paralysis, cyanosis, narcosis, respiratory paralysis. |

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## 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.**

**ETHANOL**

**Acute aquatic toxicity**

| | |
|---|---|
| **Acute toxicity - fish** | LC50, 96 hours: 15300 mg/l, Pimephales promelas (Fat-head Minnow) |
| **Acute toxicity - aquatic invertebrates** | $EC_{50}$, 48 hours: 9268 - 14221 mg/l, Daphnia magna |
| **Acute toxicity - aquatic plants** | LOEC, 192 hours: 5000 mg/l, Scenedesmus subspicatus |
| **Acute toxicity - microorganisms** | LOEC, : 6500 (16hr) mg/l, |

### 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.

**Biodegradation** The substance is readily biodegradable.

**Ecological information on ingredients.**

**ETHANOL**

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|---|---|
| **Persistence and degradability** | The product is biodegradable. |

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Ecological information on ingredients.**

**ETHANOL**

| | |
|---|---|
| **Partition coefficient** | log Pow: < 2 |

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 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.

### 12.6. Other adverse effects

# QUANTUM SHOWROOM POLISH

**Other adverse effects** Not applicable.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted). This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

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

**Road transport notes** Not classified.

**Rail transport notes** Not classified.

**Sea transport notes** Not classified.

**Air transport notes** Not classified.

### 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 Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** Control of Pollution (Special Waste) Regulations 1980 (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

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|---|---|
| **EU legislation** | 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) (as amended).<br>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). |
| **Guidance** | Workplace Exposure Limits EH40.<br>CHIP for everyone HSG228.<br>Introduction to Local Exhaust Ventilation HS(G)37.<br>Approved Classification and Labelling Guide (Sixth edition) L131.<br>Safety Data Sheets for Substances and Preparations. |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

| | |
|---|---|
| **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** | 4 |
| **Supersedes date** | 15/06/2015 |
| **SDS status** | Approved. |
| **Hazard statements in full** | H225 Highly flammable liquid and vapour.<br>H319 Causes serious eye irritation. |