

## QUANTUM (-20°C) SCREENWASH

### 1. Identification of the Substance/Preparation and Company/Undertaking

**Preparation trade name:** Quantum (-20°C) Screenwash.

**Supplier:** Quantum Lubricants.

Quantum is a registered trade mark of Volkswagen Group United Kingdom Limited. Yeomans Drive, Blakeland, Milton Keynes MK14 5AN.

**Emergency Telephone Number:** +44 (0) 1908 601601

### 2. Composition/Information on Ingredients

Material	%w/w	Einecs.	Sym	R Phrase
Isopropanol	< 1	200-661-7	F Xi	R11, R36, R67
Methanol	< 50	200-659-6	F T	R11, R23/24/25 R39/23/24/25
Fragrance	<1.0	N/A	Xi	R43
Nonionic Surfactant	<1.0	N/A (Cas 24938-91-8)	Xn	R22, R41
Nonionic Surfactant	<1.0	N/A (Cas 9003-11-6)	Xn	R22, R41
Edta Na4	0 - 1	200-573-9	Xi	R36/38

### 3. Hazards Identification

**Flammable:** Toxic by inhalation, in contact with skin and if swallowed.

**Toxic:** Danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

### 4. First-Aid Measures

**Summary of first aid is as follows:**

**Inhalation:** Remove victim from source of exposure. Keep away from heat, sparks and flames. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may administer oxygen. Get medical attention.

**Skin contact:** Remove from source of contamination. Immediately remove contaminated clothing. Wash the skin with soap and water. Get medical attention.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention. Continue to rinse.

**Ingestion:** Immediately rinse mouth and provide fresh air. Never make an unconscious person vomit or drink fluids. Get medical attention immediately.

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### 5. Fire-Fighting Measures

**Suitable extinguishing media:** Water spray, fog or mist. Alcohol resistant foam. Dry chemicals, dolomite etc. Carbon dioxide.

**Unsuitable extinguishing media:** Water jet.

**Special exposure hazards in fire:** May explode in a fire. May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air. May travel considerable distance to sources of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers.

### 6. Accidental Release Measures

Provide ventilation and confine spill. Do not allow runoff into sewer. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers. Ventilate well. Remove ignition sources. Do not allow to enter confined spaces such as sewers due to explosion risk.

### 7. Handling and Storage

**Handling:** Avoid spilling, skin and eye contact. Ventilate well and avoid breathing vapours. Wear protective clothing for prolonged exposure and/or high concentrations. Use non-sparking tools.

**Storage:** Keep away from oxidisers, heat and flames. may attack some plastics, rubber and coatings. Keep in cool, dry, ventilated storage and closed containers. Use flammable liquid storage. Keep out of reach of children.

### 8. Exposure Controls/Personal Protection

#### Exposure control limits and source:

Ingredient	EINECS No.	STD	LT EXP (8hrs)	ST EXP (15mins)
Isopropanol	200-661-7	OES	400ppm	500ppm
Methanol	200-659-6	OES	200ppm(Sk)	250ppm(Sk)

**Respiratory protection:** No specific recommendation made as to respirator but must be used if the general level exceeds occupational exposure levels.

**Hand protection:** Protective gloves.

**Skin protection:** Wear appropriate clothing.

**Eye protection:** Splash proof eye goggles.

### 9. Physical and Chemical Properties

**Appearance:** Blue liquid

**Odour:** Alcoholic/citrus

**Boiling point:** -90°C

**Flash point:** >23.5°C

**Specific Gravity:** 0.945 @20°C

**pH:** 6.0 - 10.5

**Solubility (water and oil):** Totally miscible with water, immiscible with oil

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### 10. Stability and Reactivity

**Conditions to avoid:** Heat, sparks, and flames.

**Materials to avoid:** Aluminium, oleum, strong oxidising agents.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide.

### 11. Toxicological Information

Toxic Dose LD50  
Isopropanol 5840mg/kg (oral rat)  
Methanol 5268mg/kg (oral rat)

**Ingestion:** May cause CNS depression with symptoms similar to alcohol intoxication. A large dose may cause nausea, vomiting, abdominal pain, drowsiness and loss of consciousness. Methanol can cause blindness when ingested.

**Inhalation:** Exposure to vapour may cause irritation of the nose, throat and respiratory tract. Exposure to high concentrations may cause symptoms similar to those from ingestion.

**Skin contact:** Repeated or prolonged exposure may lead to irritation and dermatitis. Can be absorbed through the skin causing systemic toxic effects.

**Eye contact:** May cause conjunctival irritation.

**Long term exposure:** Repeated exposure to levels of methanol above the occupational exposure limit may produce systemic effects and visual disturbances which may lead to permanent blindness.

### 12. Ecological Information

**Behaviour:** Soluble in water, low potential for bioaccumulation.

**Environmental fate:** Readily biodegradable, unlikely to be hazardous to aquatic organisms.

### 13. Disposal Considerations

**Safe handling of any residues/waste product:** Absorb in vermiculite or dry sand. Dispose of in accordance with local regulations.

### 14. Transport Information

**UN Number:** 1992

**Proper Name:** Flammable Liquids, Toxic, N.O.S.

**Haz Class (Adr):** Class 3; Flammable Liquids

**Packing Group:** III

**Sub Class:** 6.1

**Hazchem Code:** 3WE



## QUANTUM (-20°C) SCREENWASH

### 15. Regulatory Information

**Supply label information:**

**Toxic**



**Risk Phrases:**

**R10:** Flammable.

**R23/24/25:** Toxic by inhalation, in contact with skin and if swallowed.

**R39/23/24/25:** Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**Safety Phrases:**

**S2:** Keep out of reach of children

**S7/9:** Keep container tightly closed and in a well-ventilated place

**S16:** Keep away from sources of ignition - no smoking

**S24/25:** Avoid contact with skin and eyes

**S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

**S45:** In case of accident or if you feel unwell seek medical advice immediately (show this label where possible)

**Applicable EU provisions and associated UK legislation:** CHIP

*Note: This data sheet does not constitute a users assessment of workplace risk as required by HSW Act, COSHH, Management of Health and Safety at Work Regulations or any other health and safety legislation.*

### 16. Other Information

**Recommended uses and restrictions:** Use only as a screenwash in accordance with instructions supplied on label and technical data sheet.

**Information sources:**

Chip Approved Supply List

Croners

Suppliers Safety Data Sheets

**Other:** Risk phrases in Section 2:

**R11:** Highly Flammable

**R22:** Harmful if swallowed.

**R23/2/42/5:** Toxic by inhalation, in contact with skin and if swallowed.

**R36:** Irritating to eyes

**R36/38:** irritating to eyes and skin.

**R39/23/24/25:** Danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**R43:** May cause sensitisation by skin contact.

**R41:** Risk of serious damage to eyes.

**R67:** vapours may cause drowsiness and dizziness.

The data contained in this Safety Data Sheet has been supplied as required by the **Chemicals (Hazard Identification and Packaging for Supply) Regulations**, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information supplied.

**Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.**