



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Excelquench L 603 Z



EXOL LUBRICANTS LIMITED

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Excelquench L 603 Z

Product Code: Q016

SECTION 1	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING
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1.1 Product Identifier	Excelquench L 603 Z
Product Code	Q016
1.2 Relevant identified uses of the substance or mixture and uses advised against	Quench oil Do not use in any other application.
1.3 Company	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4 Emergency Telephone Number	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5 Other Information	Preparation Date: 03/02/2016

SECTION 2	HAZARD IDENTIFICATION
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2.1 Classification of the substance or mixture	Not classified as hazardous in accordance with CLP (EC 1272/2008) and DPD (1999/45/EC)
2.2 Label Elements	No labelling required
2.3 Other Hazards	Not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 DMSO test.

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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3.2 Mixtures					
Hazardous Ingredients	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
Distillates (Petroleum), Hydrotreated Heavy Paraffinic	265-157-1	01-2119484627-25	Asp. Tox. 1; H304	Xn; R65	90-100
Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic	265-169-7	01-2119471299-27	Asp. Tox. 1; H304	Xn; R65	90-100

SECTION 4	FIRST AID MEASURES
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4.1 Description of first aid measures	
Eyes	Flush thoroughly with water. If irritation occurs, get medical assistance.
Skin	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Ingestion	Seek immediate medical attention. Do not induce vomiting.
Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
4.2 Most important symptoms and effects, both acute and delayed	Headache, dizziness, drowsiness, nausea and other CNS effects.
4.3 Indication of immediate medical attention and special treatment needed, if necessary	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.



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SECTION 5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media** Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames. DO NOT USE straight streams of water.
- 5.2 Specific hazards arising from the substance or mixture** Smoke, fume, incomplete combustion products, oxides of carbon.
- 5.3 Advice for fire-fighters** Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus. Use water spray to cool fire exposed surfaces and to protect personnel.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See section 5 for fire fighting information. See section 4 for first aid advice. See section 8 for advice on the minimum requirements for PPE. For emergency responders – Respiratory protection: half-face or full face respirator with filters for organic vapour and when applicable, H₂S or self-contained breathing apparatus can be used depending on the size of spill and potential level of exposure. Work gloves that are resistant to aromatic hydrocarbons are recommended.
- 6.2 Environmental precautions** Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.
- 6.3 Methods and material for containment and cleaning up**
Land Spill: Stop leak if you can do so without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.
Water Spill: Stop leak if you can do so without risk. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.
- 6.4 Reference to other sections** Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapours from liquids or residues that may be present. Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded to prevent accumulation of static charge.
- 7.3 Specific end use(s)** See section 1

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- | Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
|---------|---|-------------------------|----------------------|
| UK | Distillates (Petroleum), Hydrotreated Heavy Paraffinic | 5mg/m ³ | - |
| UK | Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic | 5mg/m ³ | - |
- 8.2 Exposure controls**
Ventilation Procedures: Adequate ventilation should be provided so that exposure limits are not exceeded. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health then use a half-face filter respirator. Type A filter material.
Hand Protection: Chemical resistant gloves. Nitrile, CEN standards EN 240 and EN 374 provide general requirements.
Eye Protection: Safety glasses with side shields



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Skin Protection: Chemical/oil resistant clothing
Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Does not constitute a specification

Typical Values

Grades:	Units	Excelquench L 603 Z
Appearance		Amber Liquid
Odour		Characteristic
Odour Threshold		No data available
pH		Not technically feasible
Relative density	kg/m ³	0.873 @ 20°C
Solubility - water		Negligible
Pour point	°C	-15
Initial boiling point and range	°C	Not available
Flash point (COC)	°C	205
Flammability (solid, gas)		Not technically feasible
Upper/lower flammability or explosive limits		Not available
Vapour pressure	kPa (0.1 mm Hg) @ 20°C	Not available
Partition coefficient n-octanol/water	Log Pow	Not available
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	21.6 @ 40°C
Evaporation rate		No data available
Vapour density		Not available
Explosive properties		None
Oxidising properties		None

9.2 Other Information None given

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	See sub-sections below.
10.2 Chemical stability	Stable under normal temperature conditions and recommended use
10.3 Possibility of hazardous reactions	None under normal processing
10.4 Conditions to avoid	Excessive heat. High energy sources of ignition.
10.5 Incompatible materials	Strong oxidising substances.
10.6 Hazardous decomposition products	Material does not decompose at ambient temperatures.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

-Oral	LD50 Rat >5000 mg/kg.
-Inhalation	LC50 Rat >5000 mg/m ³
-Dermal	LD50 Rabbit >5000 mg/kg



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Corrosivity/Irritation

- Eye Mild, short-lasting discomfort to eyes.
- Skin Negligible irritation to skin at ambient temperatures
- Respiratory Tract No evidence that the material can lead to respiratory hypersensitivity.

Sensitisation

- Skin Not expected to be a skin Sensitiser.
- Respiratory Not expected to be a respiratory Sensitiser.

Repeated-dose Toxicity

No data available.

Mutagenicity

Not expected to be a germ cell mutagen.

Carcinogenicity

Not expected to cause cancer.

Reproductive Toxicity

Not expected to be a reproductive toxicant.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Not expected to be harmful to aquatic organisms.

12.2 Persistence and Degradability

Inherently biodegradable

12.3 Bioaccumulative Potential

Has the potential to bioaccumulate; however metabolism or physical properties may reduce the bio concentration or limit bioavailability.

12.4 Mobility in Soil

Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids. Low potential to migrate through soil

12.5 Results of PBT and vPvB Assessment

Not classified as PBT/vPvB by current EU criteria.

12.6 Other Adverse Effects

No adverse effects are expected

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

SECTION 14 TRANSPORT INFORMATION

Not regulated for Transport

14.1 UN Number

-

14.2 UN Proper Shipping Name

-

14.3 Transport Hazard Class

-

14.4 Packing Group

-

14.5 Environmental Hazards

Not classified as an Environmentally hazardous substance/Marine Pollutant

14.6 Special Precautions for User

-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not classified according to Annex II

SECTION 15 REGULATORY INFORMATION

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

Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.

15.2 Chemical Safety Assessment

A chemical safety assessment has been carried out for the substance that makes up this material.

SECTION 16 OTHER INFORMATION

Second Issue

First issue December 2007: revised to re-format to REACH version 2.

Full text of classification data in sections 2 and 3

Asp. Tox. 1; H304

Aspiration hazard, Hazard Category 1; May be fatal if swallowed and enters airways

Xn; R65

Harmful; may cause lung damage if swallowed