



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Excelguard 501



EXOL LUBRICANTS LIMITED

ALL SAINTS ROAD, WEDNESBURY, WEST MIDLANDS, ENGLAND, WS10 9LL

TEL: +44 (0) 121 568 6800 • FAX: +44 (0) 121 568 6720

WWW.EXOL-LUBRICANTS.COM



SAFETY DATA SHEET

Excelguard 501

Product Code: R001

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1	Product Identifier Product Code	Excelguard 501 R001
1.2	Relevant identified uses of the substance or mixture and uses advised against	Short to medium term rust protection on ferrous components 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

2.1	Classification of the substance or mixture <i>See section 16 for full text of H Statements</i>	CLP Classification: Asp. Tox. 1:H304; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT SE 3; H336
-----	--	---

2.2 Label Elements

Labelling in accordance with CLP



DANGER

H226
H304
H315
H319
H336
H411



DANGER

Flammable liquid and vapour
May be fatal if swallowed and enters airways
Causes skin irritation
Cause serious eye irritation
May cause drowsiness or dizziness
Toxic to aquatic life with long lasting effects



WARNING

Keep out of reach of children
Keep away from heat/sparks/open flames/hot surfaces – No Smoking



WARNING

2.3	Other Hazards	<p>P241 Use explosion-proof electrical, ventilating and lighting equipment</p> <p>P273 Avoid release to the environment</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician</p> <p>P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower</p> <p>P331 Do NOT induce vomiting</p> <p>Electrostatic charge may be generated during pumping and other operations.</p>
-----	----------------------	--

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures Hazardous Ingredients	CAS No.	REACH Reg. No.	GHS Classification	Conc. %
Kerosene	80008-20-6	01-2119485517-27	Asp. Tox. 1:H304; Aquatic Chronic 2: H411; Flam. Liq. 3: H226; Skin Irrit. 2: H315 STOT SE 3; H336	60-70
Hydrocarbon Waxes (Petroleum), Oxidised	64743-00-6	-	Eye Irrit. 2: H319	1-2



SAFETY DATA SHEET

Butyl Glycol

111-76-2

01-2119475108-36

Acute Tox. 4: H302; Acute Tox. 4: H312
Acute Tox. 4: H332; Skin Irrit. H315
Eye Irrit. 2: H319

1-10

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eyes Flush thoroughly with water for 15 minutes. If irritation occurs, get medical assistance.

Skin Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

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. Itching, pain, redness, swelling of skin. Eye redness and irritation. Irritation of the throat. Local necrosis as evidenced by delayed onset of pain and tissue damage a few hours after injection.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Not applicable.

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

5.2 Specific hazards arising from the substance or mixture

Exposure Products: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

5.3 Advice for fire-fighters

Fire Fighting Instructions: Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

Land Spill: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk. All equipment used when handling the product must be grounded.

Prevent entry into waterways, sewer, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

6.4 Reference to other sections

Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well ventilated place. Ensure lighting and electrical equipment is not a source of ignition.

7.3 Specific end use(s)

No data available.



SAFETY DATA SHEET

SECTION 8 | EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	Kerosene:	TWA 200 mg/m ³ Skin ACGIH 200 mg/m ³ TWA 8Hr 100 mg/m ³ TWA 12Hr 28 ppm TWA 8Hr 14 ppm TWA 12 Hr
8.2 Exposure controls	Process Conditions	Provide Eyewash Station.
	Engineering Measures	Must not be handled in confined space without sufficient ventilation.
	Respiratory Equipment	respiratory protection not required.
	Hand Protection	The most suitable glove must be chosen in consultation with the gloves supplier who can inform about the breakthrough time of the glove material. If repeated skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes.
	Eye Protection	Wear approved safety goggles. Ensure eye bath is to hand.
	Other Protection	Wear suitable protective clothing as protection against splashing or contamination.
	Hygiene Measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. DO NOT SMOKE IN WORK AREA!

SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	Does not constitute a specification	
Typical Values		
Grades:		Excelguard 501
Appearance	Units	Amber liquid
Odour		Solvent
Odour Threshold		No data available
pH		No data available
Relative density	kg/m³	0.833 @ 20°C
Solubility		Insoluble
- water		Miscible with most organic solvents
- Fat/solvents		No data available
Melting Point	°C	No data available
Initial boiling point and range	°C	No data available
Flash point (ASTM D-93)	°C	>38
Flammability		Flammable
Upper/lower flammability or explosive limits		No data available
Vapour pressure	kPa (1 mm Hg) @ 20°C	No data available
Partition coefficient n-octanol/water	Log Pow	No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm²/s	2.94 c St @ 40°C
Evaporation rate		No data available
Vapour density		No data available
Explosive properties		None
Oxidising properties		None
9.2 Other Information	No data available.	

SECTION 10 | STABILITY AND REACTIVITY

10.1 Reactivity	Not chemically reactive
10.2 Chemical stability	Stable under normal conditions. Stable at room temperature.
10.3 Possibility of hazardous reactions	Hazardous reactions not anticipated
10.4 Conditions to avoid	Avoid high temperatures and all sources of ignition. Prevent vapour accumulation.
10.5 Incompatible materials	Avoid contact with strong oxidising agents and strong reducing agents
10.6 Hazardous decomposition products	Not anticipated under normal conditions of use



SAFETY DATA SHEET

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity: Unlikely to be harmful by inhalation, skin contact or by ingestion based on toxicological data for kerosene.

Aspiration Hazard: May be fatal if swallowed and enters airways

Skin Corrosion/Irritation: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Serious Eye Damage/Irritation: Causes mild eye irritation

Skin Sensitisation: Not expected to be a skin sensitiser

Respiratory Sensitisation: No information available.

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness and dizziness.

Specific Target Organ Toxicity (Repeated Exposure): Not expected to cause organ effects from repeated exposure

Carcinogenicity: Not expected to cause cancer

Germ Cell Mutagenicity: Not expected to cause heritable genetic effects.

Reproductive Toxicity: Not expected to cause reproductive toxicity.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	No data available.
12.2 Persistence and Degradability	Not readily biodegradable.
12.3 Bioaccumulative Potential	Has the potential to bioaccumulate
12.4 Mobility in Soil	Readily absorbed into soil.
12.5 Results of PBT and vPvB Assessment	This product is not, or does not contain, a substance that is a PBT or a vPvB.
12.6 Other Adverse Effects	None anticipated

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION

Classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations

14.1 UN Number	UN1223
14.2 UN Proper Shipping Name	KEROSENE
14.3 Transport Hazard Class	3
14.4 Packing Group	III
14.5 Environmental Hazards	Classified as an Environmentally hazardous substance
14.6 Special Precautions for User	No special precautions.
14.7 Tunnel Code	D/E
14.8 Transport category	1

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Not applicable.
15.2 Chemical Safety Assessment	No data available.

SECTION 16 OTHER INFORMATION

Third Issue

Second Issue June 15: Changes to classification and composition data

First Issue December 2002: revised to Reach version 2 format

Full text of classification data in sections 2 and 3

Flam. Liq. 3; H226	Flammable liquids and vapour.
Asp. Tox. 1; H304	May be fatal if swallowed and enters airways
Acute Tox. 4; H302	Harmful if swallowed
Acute Tox. 4; H312	Harmful in contact with skin
Acute Tox. 4; H332	Harmful if inhaled



SAFETY DATA SHEET

Skin Irrit. 2 ; H315
Eye Irrit. 2; H319
STOT SE 3; H336
Aquatic Chronic 2; H411

Causes skin irritation
Cause serious eye irritation
May cause drowsiness or dizziness
Toxic to aquatic life with long lasting effects