



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Delta Degreaser



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

Delta Degreaser

Product Code: D002

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

1.1 Product Identifier	Delta Degreaser
Product Code	D002
1.2 Relevant identified uses of the substance or mixture and uses advised against	Solvent based cleaner. 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: 08/03/2017

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

See section 16 for full text of H Statements

CLP Classification:
Flammable liquids, Hazard Category 3; H226
Aspiration Hazard, Hazard Category 1; H304
Skin Irritant, Hazard Category 2; H315
Aquatic Hazard, Hazard Category 3; H412

2.2 Label Elements Labelling in accordance with CLP



DANGER

DANGER

(H226)
(H304)
(H315)
(H412)

Flammable liquid and vapour
May be fatal if swallowed and enters airways
Causes skin irritation
Harmful to aquatic life with long lasting effects

(P210)
(P233)
(P240)
(P264)
(P280)
(P302)+(P352)+(P362)

(P301)+(P310)
(P331)
(P405)

Keep away from heat/sparks/open flames/hot surfaces – No Smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Wash thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
If on skin: wash with plenty of soap and water and take off contaminated clothing and wash before reuse.
IF SWALLOWED: Immediately call a poison centre or doctor/physician.
Do not induce vomiting
Store locked up

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

3.2 Mixtures

Component	EC/CAS No.	REACH Reg. No.	GHS Classification	Conc. %
Straight run distillates of hydrocarbons in the C9-C16 range	265-184-9	Not Available	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	<95
Isotridecanol, ethoxylated	69011-36-5	Not Available	Eye Dam. 1; H318 Acute Tox. 4; H302	<3.5



SAFETY DATA SHEET

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation** If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.
- Eyes** Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.
- Skin** Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.
- Ingestion** Do not induce vomiting. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed No ill effects known

4.3 Indication of immediate medical attention and special treatment needed, if necessary Eye contact: immediately wash out with plenty of water

SECTION 5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media** Foam, dry powder or water fog. Water can be used to cool and protect exposed material.
- 5.2 Specific hazards arising from the substance or mixture** Toxic fumes may be evolved on burning or exposure to heat. See Stability and Reactivity, Section 10 of this Safety Data Sheet.
- 5.3 Advice for fire-fighters** Wear self-contained breathing apparatus. Water may cause splattering.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Immediately evacuate all personnel from danger area. Wear Personal Protective Equipment. Eliminate all sources of heat, sparks, pilot lights, static electricity and open flames. Spilled material may make surfaces slippery.
- 6.2 Environmental precautions** Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.
In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.
- 6.3 Methods and material for containment and cleaning up** Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.
- 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 eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product.
Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.
Use a suitable barrier cream at regular intervals.
- 7.2 Conditions for safe storage, including any incompatibilities** Keep out of the reach of children.
Store under cover away from heat and sources of ignition.
- 7.3 Specific end use(s)** Intended for use as a solvent based cleaner.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Name	Country/Standard	Long Term (8 Hours TWA)	Short Term (15 Mins)
Kerosene (petroleum)	UK / EH40	-	-
	Belgium, Spain / TLV-TWA	200 mg/m3	-
	Poland / TLV-TWA	100 mg/m3	300 mg/m3
	UT4, Kaftstoff, Germany / TLV-TWA	250 mg/m3	-
	US / ACGIH	200 mg/m3	-



SAFETY DATA SHEET

8.2 Exposure controls

Engineering Measures	If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.
Respiratory Equipment	Where there is a potential for airborne exposure above the exposure limit, an approved air purifying respirator equipped with Type A, organic gases and vapour filters (as specified by the manufacturer) may be used.
Hand Protection	The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products.
Eye Protection	The use of eye protection is recommended to protect against potential eye contact, irritation or injury. Depending on conditions of use, a face shield may be necessary.
Other Protection	Eye wash and quick drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before re-use.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
------------------	---

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

Typical Values

Grades:		Delta Degreaser
	Units	
Appearance		Blue Liquid
Odour		Oily
Odour Threshold		No data available
pH		Not applicable
Pour point/range	°C	No data available
Initial boiling point and range	°C	140-300
Flash point (COC)	°C	38 (min)
Flammability		Flammable
Upper/lower flammability or explosive limits		No data available
Vapour pressure	kPa (0.1 mm Hg)	No data available
Relative density	kg/m ³	0.723 – 0.823 @ 20°C
Solubility		Insoluble
- water		Soluble
- Fat/solvents		Not applicable
Partition coefficient n-octanol/water	Log Pow	No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	No data available
Evaporation rate		Not applicable
Vapour density		No data available
Explosive properties		Not applicable
Oxidising properties		None

9.2 Other Information None

SECTION 10	STABILITY AND REACTIVITY
-------------------	---------------------------------

10.1 Reactivity	No dangerous reactions known
10.2 Chemical stability	Stable under normal conditions of use
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Avoid overheating.



SAFETY DATA SHEET

- 10.5 Incompatible materials** Avoid contact with strong oxidising agents
- 10.6 Hazardous decomposition products** Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

- **Oral** No toxic components present at levels to cause classification.
- **Inhalation** No toxic components present at levels to cause classification.
- **Dermal** No toxic components present at levels to cause classification.

Corrosivity/Irritation

- **Eye** No components present that are classified as eye irritants.
- **Skin** Prolonged and repeated contact may cause drying of the skin and possibly dermatitis.
- **Respiratory Tract** Prolonged inhalation of mists may cause inflammation of the lungs.

Sensitization

- **Skin** No evidence of sensitization effects.
- **Respiratory** No evidence of sensitization effects.

Repeated-dose Toxicity No data available.

Mutagenicity No evidence of mutagenicity.

Carcinogenicity No evidence of carcinogenicity.

Reproductive Toxicity No evidence of reproductive toxicity.

SECTION 12 ECOLOGICAL INFORMATION

- 12.1 Toxicity** Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.
- 12.2 Persistence and Degradability** Expected to biodegrade slowly.
- 12.3 Bioaccumulative Potential** There is no evidence to suggest bioaccumulation will occur.
- 12.4 Mobility in Soil** Spillages may penetrate the soil causing ground water contamination. Non-volatile.
- 12.5 Results of PBT and vPvB Assessment** No PBT or vPvB chemicals present.
- 12.6 Other Adverse Effects** None known.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Where possible, arrange for product to be recycled.

Dispose of via an authorised person/ licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

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 Mixture
- 14.3 Transport Hazard Class** 3
- 14.4 Packing Group** III
- 14.5 Environmental Hazards** Classified as an Environmentally hazardous substance/Marine Pollutant
- 14.6 Special Precautions for User** See section 8 for safe handling
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable to packaged goods

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.



SAFETY DATA SHEET

15.2 Chemical Safety Assessment

No formal chemical safety assessment has been carried out.

SECTION 16 OTHER INFORMATION

Fifth Issue March 2017

Fourth Issue February 2015: Changed composition data

Third Issue November 2013: Changed to new format

Second Issue March 2012: Changed Exposure Controls and Control Parameters based on new formulation information

Previous version December 2002: Changed to Reach version 2 format

Full text of classification data in sections 2 and 3

Flam. Liq. 3; H226

Flammable liquids, Hazard Category 3; Flammable liquid and vapour

Acute Tox. 4; H302

Acute toxicity, Hazard Category 4; Harmful if swallowed

Asp. Tox. 1; H304

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

Skin Irrit. 2; H315

Skin corrosion/irritation, Hazard Category 2; Causes skin irritation.

Eye Dam. 1; H318

Serious eye damage/irritation, Hazard Category 1, Causes serious eye damage

Aquatic Chronic 3; H412

Hazardous to the aquatic environment, long-term hazard, Hazard Category 3; Harmful to aquatic life with long lasting effects