



SAFETY DATA SHEET

Lydian Degreasing Fluid

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

1.1. Product identifier

Product name Lydian Degreasing Fluid
Product number 7210
Internal identification GHS21521

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

Identified uses Degreaser
Uses advised against Non specified unless otherwise stated within this MSDS

1.3. Details of the supplier of the safety data sheet

Supplier Morris Lubricants
 Castle Foregate
 Shrewsbury
 SY1 2EL

 08.45 - 17.00 GMT
 T: (+44)(0)1743 232200
 F: (+44)(0)1743 353584
 sds@morris-lubricants.co.uk

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Asp. Tox. 1 - H304
Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or -
 1999/45/EC)

2.2. Label elements

Pictogram



Signal word

Danger

Lydian Degreasing Fluid

Hazard statements	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501a Dispose of contents/container to hazardous or special waste collection point.
Contains	KEROSINE (PETROLEUM),, Orange Extracts, Alcohols C9-11, ethoxylated, Ethoxylated Isotridecanol, Amines, tallow alkyl, ethoxylated

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

KEROSINE (PETROLEUM),		60-100%
CAS number: 64742-81-0	EC number: 265-184-9	REACH registration number: 01-2119462828-25-XXXX
Classification		
Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
Orange Extracts		10-30%
CAS number: 68647-72-3	EC number: 232-433-8	REACH registration number: 01-2119493353-35-XXXX
M factor (Acute) = 1	M factor (Chronic) = 1	
Classification		
Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
Alcohols C9-11, ethoxylated		1-5%
CAS number: 68439-46-3		
Classification		
Acute Tox. 4 - H302 Eye Dam. 1 - H318		

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Ethoxylated Isotridecanol	1-5%
CAS number: 24938-91-8	
Classification Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xi;R41.
Amines, tallow alkyl, ethoxylated	1-5%
CAS number: 61791-26-2	EC number: 500-153-8
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn;R22. C;R34. Xi;R41. N;R50/53.
2-Methylbutylacetate	<1%
CAS number: 624-41-9	EC number: 210-843-8
Classification Flam. Liq. 3 - H226	Classification (67/548/EEC or 1999/45/EC) R10,R66.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not induce vomiting. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Ingestion	May be fatal if swallowed and enters airways.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Keep away from heat, sparks and open flame. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid spilling, skin and eye contact.

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.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

KEROSINE (PETROLEUM),

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

Short-term exposure limit (15-minute): ACGIH 10 mg/m³

Orange Extracts

Long-term exposure limit (8-hour TWA): 100 ppm

Short-term exposure limit (15-minute): 150 ppm

2-Methylbutylacetate

Long-term exposure limit (8-hour TWA): 270 mg/m³ respirable dust

Short-term exposure limit (15-minute): 270 mg/m³ respirable dust

ACGIH = American Conference of Governmental Industrial Hygienists.

Ingredient comments WEL = Workplace Exposure Limits

2-hexyldecan-1-ol (CAS: 2425-77-6)

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DNEL

Industry - Dermal; Short term local effects: 35 mg/kg/day

Industry - Inhalation; Long term systemic effects: 247 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

Use protective gloves.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Blue-green.
Odour	Solvent. Characteristic.
Melting point	Not applicable.
Initial boiling point and range	130-300°C @ 760 mm Hg
Flash point	48°C PMCC (Pensky-Martens closed cup).
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.7 % Upper flammable/explosive limit: 5.0 %
Relative density	0.848 @ 15.6°C
Solubility(ies)	Soluble in the following materials: Organic solvents. Emulsifiable in water.
Partition coefficient	Not determined.
Viscosity	2.5 cSt @ 40°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

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Possibility of hazardous reactions Unlikely to occur under normal conditions of use.

10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Acids. Oxidising agents. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 14,705.88235294

Aspiration hazard

Aspiration hazard Kinematic viscosity <= 20.5 cSt @ 40 C. Poses an aspiration hazard.

Inhalation

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Ingestion

May be fatal if swallowed and enters airways. Harmful: may cause lung damage if swallowed.

Skin contact

Causes skin irritation.

Eye contact

Causes serious eye damage.

Acute and chronic health hazards

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Nausea, vomiting. Headache.

Target organs

Skin Eyes Respiratory system, lungs

SECTION 12: Ecological Information

Ecotoxicity

The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability This product is not readily biodegradable Product is considered stable to hydrolysis. May form an emulsion in water when agitated.

Biodegradation

The product is a complex mixture of components which vary in their ability to biodegrade. Whilst some components will biodegrade slowly the vast majority of the product is expected to ultimately biodegrade.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation. The product will disperse in water as an emulsion.

Partition coefficient

Not determined.

12.4. Mobility in soil

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Mobility The product contains volatile substances which may spread in the atmosphere. The product is miscible with water and may spread in water systems.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Make sure containers are empty before discarding (explosion risk)

Waste class European Waste Catalogue (EWC) number = 13 08 99* (waste not otherwise specified)
European Waste Code (EWC) : 15 01 10* (packaging containing residues of dangerous substances)

SECTION 14: Transport information

General Classified for transportation.

14.1. UN number

UN No. (ADR/RID) 1268
UN No. (IMDG) 1268
UN No. (ICAO) 1268
UN No. (ADN) 1268

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PETROLEUM DISTILLATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S.
Proper shipping name (IMDG) PETROLEUM DISTILLATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S.
Proper shipping name (ICAO) PETROLEUM DISTILLATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S.
Proper shipping name (ADN) PETROLEUM DISTILLATES, N.O.S., or PETROLEUM PRODUCTS, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

Transport labels



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14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 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	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date	26/02/2016
Revision	1
SDS number	21521

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Hazard statements in full

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.