



A British Lubricants Company

SAFETY DATA SHEET

CLP – Regulation (EC) No.1272/2008

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Revised Edition No. 7
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Indu-Tek Multi-Clean Spray – Aerosol

Part Number: BL-61700

1. IDENTIFICATION OF THE SUBSTANCE/ USE/ COMPANY DETAILS

Trade Name: Multi-Clean Spray
Company Identification: Brit-Lube Limited
Units 2 & 3 Mayfield Industrial Estate
Liverpool Road
Irlam
Manchester, M44 6GD
Tel: +44(0)161 777 9970
Fax: +44(0)161 777 9980
info@brit-lube.com
Type of product: Aerosol Spray
Use: Cleaner / Degreaser

2. HAZARDS IDENTIFICATION

Classification under CLP: H222; Extremely Flammable Aerosol
H229; Pressurised container may burst if heated

Label elements:

Signal word: Danger

Hazard Statements: H222; Extremely Flammable Aerosol
H229; Pressurised container may burst if heated
H413; May cause long lasting harmful effects to aquatic life
H315; May cause skin irritation

Pictograms: GHS02: Flame
GHS07: Causes skin irritation
GHS09: Hazardous to aquatic environment



Precautionary statements: P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C
P251: Do not pierce or burn, even after use
P210: Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking
P211: Do not spray on an open flame or other sources of ignition
P271: Use outdoors in well ventilated area
P501: Dispose of contents/ container to local / national regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
HYDROCARBONS, C6, ISOALKANES, <5% n-HEXANE	64742-49-0 931-254-9 01-2119484651-34- xxxx	Asp. Tox. 1 H304, Flam. Liq. 2 H225, STOT SE 3 H336, Skin Irrit. 2 H315, Aquatic Acute 2 H401 Aquatic Chronic 2 H411	30-50%
PROPAN-2-OL	67-63-0 200-661-7 01-2119457558-25- xxxx	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	10-30%
LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene)	68476-85-7 270-704-2 -	Flam.Gas 1; H220 Gas under pressure; H280	30-50%

See Section 16 for the full text of the H-statements noted above.

4. FIRST AID MEASURES

4.1

Inhalation	Use in a well ventilated area.
Skin Contact	Wash skin thoroughly with mild soap and water. Obtain medical attention if discomfort continues
Eye Contact	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
Ingestion	Do not induce vomiting. Obtain medical attention

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin and eyes with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye contact information above.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Alcohol resistant foam, Powder, Sand, carbon dioxide
Unsuitable extinguishing media	Do not use high pressure water
Surrounding Fires	Use water spray to cool containers
Specific Hazards	Under fire conditions, hazardous fumes will be present
Protection for Fire-Fighters	Do not enter fire area without Proper Protective Equipment, including respiratory equipment.
Special procedures	Exercise caution when entering any lubricant or chemical fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections: See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

GENERAL

Ensure there is adequate ventilation. Avoid all unnecessary exposure to naked flames or potential fire risks. No Smoking.

STORAGE

Store in tightly sealed containers, away from heat, sparks, open flames. Store in cool, dry well ventilated areas.

HANDLING

Ensure prompt removal from eyes, skin, clothing. Wash hands and other exposed areas with mild soap and water before you eat, drink or smoke, leave work. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Reference
Hydrocarbons, C6, isoalkanes, <5% n-hexane	1400 mg/m ³ /362 ppm	-	Manufacturer
Propan-2-ol	999 mg/m ³ /400 ppm	1250 mg/m ³ /500 ppm	EH40/2005
Liquefied petroleum gas	1750 mg/m ³ /1000ppm	2810 mg/m ³ /1250 ppm	EH40/2005

DNEL (workers)	Hydrocarbons, C6, isoalkanes, <5% n-hexane
Chronic systemic effects (dermal)	13964 mg/kg bw/day
Chronic systemic effects (inhalation)	5306 mg/m ³

DNEL (consumers)	Hydrocarbons, C6, isoalkanes, <5% n-hexane
Chronic systemic effects (dermal)	1377 mg/kg bw/day
Chronic local effects (inhalation)	1137m ³

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: Unlikely to be necessary in normal circumstances; if vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time \geq 480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

Eye protection: Chemical splash goggles if eye contact is reasonably probable. The selected goggles or glasses must satisfy the European standard EN 166.

Skin and body protection: Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing has to satisfy the standard EN 13034, which describes clothing offering limited 8 hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Aerosol emitting colourless spray.
Odour	Paraffinic/Alcoholic
Odour Threshold	No data available
Flammability	Extremely flammable
Flash point	<0°C
Lower explosion limit	0.8%
Upper explosion limit	12.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	>230°C
Oxidising properties	Non-oxidising
Solubility in water	Partially soluble
Solubility in other solvents	Soluble in most organic solvents.
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Relative density	No data available
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.1 Other information

VOC Content	100%
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10. STABILITY AND REACTIVITY

Hazardous decomposition products	Combustion will generate smoke, carbon monoxide, carbon dioxide
Hazardous reactions	None under normal conditions.
Hazardous properties	None under normal conditions.
Materials to avoid	Strong oxidizing agents, strong acids, strong alkalis
Conditions to avoid	Naked flames, fires

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Hydrocarbons, C6, isoalkanes, <5% n-hexane	>5840 mg/kg (Rat)	>25.2 mg/l (Rat) 4h	>2920 mg/kg (Rabbit)
Propan-2-ol	>2000 mg/kg (Rat)	No data available	>2000 mg/kg (Rabbit)
Liquefied petroleum gas	Not applicable	>20mg/l (Rat) 4h	Not applicable

Skin corrosion/irritation:	C6 Hydrocarbon: Moderately irritating with prolonged exposure. Propan-2-ol: Not classed as a skin irritant.
Serious eye damage/eye irritation:	C6 Hydrocarbon: May cause mild, transient discomfort. Propan-2-ol: Causes eye irritation.
Respiratory or skin sensitisation:	C6 Hydrocarbon: Not expected to be a sensitiser. Propan-2-ol: Not classed as a respiratory or skin sensitizer.
Repeated dose toxicity:	C6 Hydrocarbon: Not expected to be a hazard. Propan-2-ol: Tests on rats over prolonged periods have shown both weight gains and losses, increased weight of the liver and some liver damage.
Carcinogenicity:	C6 Hydrocarbon: Not carcinogenic. Propan-2-ol: Not carcinogenic.
Mutagenicity:	C6 Hydrocarbon: Not mutagenic. Propan-2-ol: Not mutagenic.
Toxicity for reproduction:	C6 Hydrocarbon: Not expected to be a hazard. Propan-2-ol: Not toxic for reproduction.
Specific target organ toxicity (STOT):	C6 Hydrocarbon: May cause drowsiness or dizziness. Propan-2-ol: vapour in high concentrations can cause irritation of the respiratory system and eyes; drowsiness and dizziness. Ingestion can cause nausea and vomiting at higher doses.

Further information

The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of spray mist.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Hydrocarbons, C6, isoalkanes, <5% n-hexane	Daphnia	EC50 48h	3 mg/l
	Rainbow trout	LL50 96h	>13.4 mg/l
	Algae	EC50 72h	29 mg/l
Propan-2-ol	Daphnia	EC50 48h	>100 mg/l
	Golden ide	LC50 48h	>100 mg/l
	Algae	EC50 72h	>100 mg/l

Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.

12.2 Persistence and degradability

C6 Hydrocarbon: Expected to be readily biodegradable.
Propan-2-ol: Readily biodegradable.

12.3 Bioaccumulative potential

C6 Hydrocarbon: Not determined.
Propan-2-ol: Not expected to bioaccumulate.

12.4 Mobility in soil

C6 Hydrocarbon: Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater.
Propan-2-ol: soluble in water and migrate through soil.

12.4 Results of PBT and vPvB assessment

C6 Hydrocarbon, Propan-2-ol: Contain no PBT or vPvB substances.

12.5 Other adverse effects

None expected.

13. DISPOSAL CONSIDERATIONS

General

Dispose of in a safe manner in accordance with local/national regulations

Disposal method

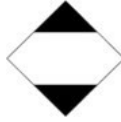
In accordance with local/national regulations may be taken to waste disposal site.

Disposal of used packaging


Use a licensed waste disposal contractor.

14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

14.1 UN number	ADR/RID/ADN; IMDG; ICAO	1950
14.2 UN proper shipping name	AEROSOLS	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2, Gases
	ADR Label No.	2.1
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary risk	2.1
		
	Transport labels	
14.4 Packing Group	ADR/RID/ADN; IMDG; ICAO	Not applicable for aerosols
14.5 Environment hazards	Marine Pollutant	Not applicable for aerosols.
14.6 Special precautions for user	EMS	F-D, S-U
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		Not applicable for aerosols.

15. REGULATORY INFORMATION – Safety, Health & Environmental Regulations

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments, health and environmental regulations/legislation specific for the substance or mixture (continued)

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

16. OTHER INFORMATION

Product Use: For Industrial use only. Cleaner/ Degreaser

Other information:

The contents and format are in accordance with the following directives:

Globally Harmonised System of Classification and labelling of Chemicals (GHS). In the EU the worldwide GHS System is implemented by CLP Regulation (EC) No 1272/2008 and conforms to Commission Regulation (EU) No.453/2010

Compiled in accordance with REACH

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.

STOT: Single Target Organ Toxicity (Section 2; 11).

SE: Single exposure (Section 2)

TWA: Time-weighted average. (Section

8). STEL: Short-term exposure limit.

(Section 8).

PBT: Persistent, Bioaccumulative, Toxic. (Section 12).

vPvB: very Persistent and very Bioaccumulative. (Section 12).

DISCLAIMER OF LIABILITY:

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user. The conditions of handling, storage, use or disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim any liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared solely for the product stated and should not be used for any other product.

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