



Multi-Lube (Aerosol)

Safety Data Sheet

according to Regulation (EC) No. 453/2010

MSDS Version: E04.00

Date of issue: 08/04/2015

Blend Version: 3

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

1.1. Product identifier

Product form : Mixture
Product name : Multi-Lube (Aerosol)
Product code : WOUK W10379

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Cleaning product

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wynn Oil U.K. (ITW Additives UK)
Unit 4, Parbrook Close, Coventry
CV4 9XY West Midlands - UK
T 02476 472634
helpline@wynns.uk.com - <http://www.wynns.uk.com>

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 1	H222;H229
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F+; R12
Xi; R38
R67
R52/53

Full text of R-phrases: see section 16

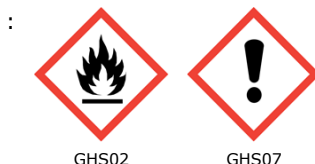
Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP) : Danger

Hazard statements (CLP) : H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) : P261 - Avoid breathing vapours, spray
P280 - Wear protective gloves
P271 - Use only outdoors or in a well-ventilated area
P102 - Keep out of reach of children

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P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P211 - Do not spray on an open flame or other ignition source
P251 - Do not pierce or burn, even after use
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	% w	Classification according to Directive 67/548/EEC
Propane	(CAS No) 74-98-6 (EC no) 200-827-9 (EC index no) 601-003-00-5 (REACH-no) 01-2119486944-21	10 - 30	F+; R12
hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	(EC no) 926-605-8 (REACH-no) 01-2119486291-36	10 - 30	F; R11 Xi; R38 N; R51/53 Xn; R65 R67
Butane n-	(CAS No) 106-97-8 (EC no) 203-448-7 (EC index no) 601-004-00-0 (REACH-no) 01-2119474691-32	1 - 10	F+; R12
isobutane	(CAS No) 75-28-5 (EC no) 200-857-2 (EC index no) 601-004-00-0 (REACH-no) 01-2119485395-27	1 - 10	F+; R12
sulfonic acids, petroleum, sodium salts	(CAS No) 68608-26-4 (EC no) 271-781-5 (REACH-no) 01-2119527859-22	1 - 10	Xi; R36

Name	Product identifier	% w	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Propane	(CAS No) 74-98-6 (EC no) 200-827-9 (EC index no) 601-003-00-5 (REACH-no) 01-2119486944-21	10 - 30	Flam. Gas 1, H220
hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	(EC no) 926-605-8 (REACH-no) 01-2119486291-36	10 - 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Butane n-	(CAS No) 106-97-8 (EC no) 203-448-7 (EC index no) 601-004-00-0 (REACH-no) 01-2119474691-32	1 - 10	Flam. Gas 1, H220
isobutane	(CAS No) 75-28-5 (EC no) 200-857-2 (EC index no) 601-004-00-0 (REACH-no) 01-2119485395-27	1 - 10	Flam. Gas 1, H220
sulfonic acids, petroleum, sodium salts	(CAS No) 68608-26-4 (EC no) 271-781-5 (REACH-no) 01-2119527859-22	1 - 10	Eye Irrit. 2, H319

Full text of R- and H-phrases: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Victim conscious with laboured breathing: half-seated. Unconscious: maintain adequate airway and respiration. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Respiratory arrest: artificial respiration or oxygen. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. As it is a spray can packaging it is most unlikely that large quantities will be swallowed.

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

Symptoms/injuries	: Vapours may cause drowsiness and dizziness.
Symptoms/injuries after inhalation	: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Nausea. May cause respiratory irritation.
Symptoms/injuries after skin contact	: skin irritation and erythema.
Symptoms/injuries after eye contact	: May cause slight irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. AFFF foam. ABC-powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Gas/vapour spreads at floor level: ignition hazard. Extremely flammable aerosol. Gas/vapour flammable with air within explosion limits.
Explosion hazard	: May be ignited by sparks. Risk of explosion if heated under confinement. Gas/vapour explosive with air within explosion limits.
Reactivity	: On burning: release of carbon monoxide - carbon dioxide. Reacts vigorously with strong oxidizers and acids.

5.3. Advice for firefighters

Firefighting instructions	: Cool closed containers exposed to fire with water spray. Physical explosion risk: extinguish/cool from behind cover.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: protective clothing. Protective goggles. Gloves. Large spills/in enclosed spaces: compressed air apparatus.
Emergency procedures	: Exposure to fire/heat: keep upwind. Mark the danger area. Close doors and windows of adjacent premises. Stop engines and no smoking. Seal off low-lying areas. Use spark-/explosionproof appliances and lighting system. No naked flames, sparks, and do not smoke. Wash contaminated clothes.

6.1.2. For emergency responders

Emergency procedures	: Ventilate area.
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6.2. Environmental precautions

Prevent soil and water pollution. Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

- For containment : Try to reduce evaporation.
- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Scoop absorbed substance into closing containers. Wash clothing and equipment after handling.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from sources of ignition - No smoking. Keep away from naked flames/heat. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Use spark-/explosionproof appliances and lighting system. Comply with the legal requirements.
- Hygiene measures : Observe normal hygiene standards. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage temperature : $\leq 45^{\circ}\text{C}$
- Heat and ignition sources : Keep away from sources of ignition - No smoking.
- Prohibitions on mixed storage : Keep away from strong acids and strong oxidizers.
- Storage area : Meet the legal requirements. Fireproof storeroom. Store in a dry place. Protect from heat and direct sunlight. Store in a well-ventilated place. Ventilation along the floor.
- Special rules on packaging : correctly labelled. meet the legal requirements.
- Packaging materials : Pressurised small gas containers (aerosol cans).

7.3. Specific end use(s)

See product bulletin for detailed information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Propane (74-98-6)

Belgium	Limit value (ppm)	1000 ppm
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Butane n- (106-97-8)

Belgium	Limit value (ppm)	1000 ppm
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isobutane (75-28-5)

Belgium	Limit value (ppm)	1000 ppm
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8.2. Exposure controls

- Appropriate engineering controls : Provide good ventilation in process area to prevent formation of vapour. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.
- Personal protective equipment : Gloves. Safety glasses.



- Hand protection : Neoprene. Nitrile rubber.
- Other information : Breakthrough time : >30'. Thickness of the glove material >0.1 mm.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Aerosol.
- Colour : amber.
- Odour : characteristic.
- Odour threshold : No data available
- pH :

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Relative evaporation rate (butylacetate=1)	: No data available
refraction index	:
Melting point	: No data available
Freezing point	: No data available
Boiling point	: < 0 °C
Flash point	: < 0 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic @40°C	: No data available
Viscosity, dynamic @40°C	: No data available
Viscosity	:
Viscosity Index	:
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Additional information : The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of carbon monoxide - carbon dioxide. Reacts vigorously with strong oxidizers and acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

On burning: release of harmful/irritant gases/vapours e.g.: carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

LD50 oral rat > 5000 mg/kg

LD50 dermal rabbit > 2000 mg/kg

LC50 inhalation rat (mg/l) > 20 mg/l

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

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Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No data available. This product contains hazardous components for the aquatic environment.
Ecology - water	: Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations	: Container under pressure. Do not drill or burn even after use. Remove to an authorized waste treatment plant.
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SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: 1950
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14.2. UN proper shipping name

Proper Shipping Name (ADR)	: AEROSOLS
Transport document description (ADR)	: UN 1950 AEROSOLS, 2.1, (D)

14.3. Transport hazard class(es)

Class (ADR)	: 2
Subsidiary risk (IMDG)	: 2.1
Subsidiary risk (IATA)	: 2.1
Danger labels (ADR)	: 2.1



14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information	: No supplementary information available.
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14.6. Special precautions for user

14.6.1. Overland transport

Classification code (ADR)	: 5F
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Special provisions (ADR)	: 190, 327, 344, 625
Transport category (ADR)	: 2
Tunnel restriction code (ADR)	: D
Limited quantities (ADR)	: 1I

14.6.2. Transport by sea

EmS-No. (1)	: F-D, S-U
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14.6.3. Air transport

Instruction "cargo" (ICAO)	: 203
Instruction "passenger" (ICAO)	: 203/Y203

14.7. 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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Multi-Lube (Aerosol) is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Water hazard class (WGK)	: 2 - hazard to waters
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container: May burst if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R11	Highly flammable
R12	Extremely flammable
R36	Irritating to eyes
R38	Irritating to skin

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R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	Harmful: may cause lung damage if swallowed
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
F+	Extremely flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product