

New Tech Lubes Limited

SAFETY DATA SHEET

According to EC Regulations 1907/2006 & 1272/2008

NTL SDS 107-1.0

July 2016



Unit 3 & 4
Harrison Drive Ind Est
Worksop, Nottinghamshire
UK, S81 9RL

t. 01909 730900
f. 01909 730909
e. info@newtechlubes.com
w. www.newtechlubes.com

🐦 @newtechlubes.com

IPA

SECTION 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY / UNDERTAKING

- 1.1 **Product Name:** IPA
- 1.2 **Identified uses:** Cleaner
Uses advised against: None known
- 1.3 **Details of supplier of sds:** New Tech Lubes Ltd, Unit 3 Harrison Drive Ind Est
Langold Worksop, Notts S81 9RL
- E Mail (competent person)** info@newtechlubes.com
- 1.4 **Emergency Telephone:** +44 (0)1909730900 (09.00 -17.00 GMT Monday to Friday)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance /mixture:

2.1.1 Regulation EC 1272/2008:

Physical and Chemical Hazards

Human health

Environment

Flam. Liq. 2 - H225

Eye Irrit. 2 - H319;STOT SE 3 - H336

Not classified.

Human health

Irritating to eyes. Vapours may cause drowsiness or dizziness

2.2 Label elements:



Signal word(s): Danger
EC No. 200-661-7
Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P243 Take precautionary measures against static discharge.

P271 Use only outdoors or in a well-ventilated area.

P261 Avoid breathing vapour/spray.
 P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

2.3 Other hazards

The mixture does not contain any vPvB or PBT substances.
 Product is combustible and flammable vapours could be formed especially if subjected to heat

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture:

HAZARDOUS INGREDIENTS	%W/W	CAS No EC No	REACH REG NO	Classification (EC 1272/2008)
PROPAN-2-OL	55-100	67-63-0	01-2119457558-25-xxxx	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336

3.3 Additional information

See sect 16 for full text of H phrases.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

Eyes: Remove contact lenses. Rinse with water immediately for at least 10 minutes. Obtain medical attention if any discomfort occurs.

Skin: Remove severely contaminated clothing. Wash with soap and water. Obtain medical attention if any discomfort occurs.

Inhalation: Move to fresh air. Provide rest and warmth. If effects occur, obtain medical attention.

Ingestion: If swallowed, drink plenty of water. **Do not induce vomiting.** Obtain immediate medical attention.

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

No important symptoms or effects

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

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Powder, alcohol resistant foam. CO2, dry chemicals.
 Unsuitable extinguishing media: Water stream

5.2 Special hazards arising from the substance or mixture

May produce oxides of Carbon and other combustion products. Contents will add to fuelling of fire.

5.3 Advice for firefighters

Wear SCBA. Keep containers cool by spraying with water. Ventilate closed spaces before entering.
 Combustible – flash point $\geq 61^{\circ}\text{C}$

SECTION 6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient ventilation. Wear suitable protective equipment as in Sect 8.

6.2 Environmental precautions.

Prevent from entering drainage systems or water courses.

6.3 Methods and material for containment and clearing

If liquid escapes, ensure plenty of fresh air / ventilation. Absorb spilled contents on inert material such as sand or earth - collect and dispose of as in Sect 13. Scrub area with detergent and water.

6.4 Reference to other sections

For PPE and disposal see sections 8 and 13 respectively.

SECTION 7. HANDLING AND STORAGE:

7.1 Precautions for safe handling

Only use in areas with good ventilation. Keep away from all sources of ignition. Do not use on hot surfaces. Wash hands after use and before eating. Do not breathe vapours / spray mist. Remove contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Store tightly closed, in a cool, dry, ventilated area. Prevent exposure to high temperatures.

7.3 Specific end use (s)

For general degreasing applications and such uses for indirect food contact equipment and machinery

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits

Ingredients	TWA 8 Hr	STEL 15 min	Note
PROPAN-2-OL	400 ppm 999 mg/m3	500 ppm_ 1250 mg/m3	EH40

DNEL

Industry	Dermal	888	mg/kg/day
Industry	Inhalation.	500	mg/m3
Consumer	Dermal	319	mg/kg/day
Consumer	Inhalation.	89	mg/m3
Consumer	Oral	26	mg/kg/day

PNEC

Freshwater	140.9	mg/l
Marinewater	140.9	mg/l
Sediment	552	mg/kg
Soil	28	mg/kg

PROPAN-2-OL (CAS: 67-63-0)

DNEL

Industry	Dermal	Long Term	Systemic Effects	888	mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	500	mg/m3
Consumer	Dermal	Long Term	Systemic Effects	319	mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	89	mg/m3
Consumer	Oral	Long Term	Systemic Effects	26	mg/kg/day

PNEC

Freshwater	Long Term	140.9	mg/l
Marinewater	Long Term	140.9	mg/l

Sediment	Long Term	552	mg/kg
Soil	Long Term	28	mg/kg

8.2 Exposure controls

8.2.1 Appropriate engineering controls - Ensure good ventilation /local exhaust ventilation to keep airborne contaminants below exposure limits.

8.2.2 Personal protective equipment:

Eye / face protection - Safety goggles/glasses if there is a risk of eye contact.

Skin protection – Nitrile gloves (EN 374). See glove manufacturer data for glove selection and breakthrough time for use conditions.

Respiratory protection – If engineering controls do not maintain safe level, then filter/respirator. Type A filter material.

8.2.3 Environmental exposure controls – See sects 6,12, 13.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Odour of alcohol.
Solubility	Miscible with: Organic solvents Miscible with water
Initial boiling point and boiling range	82 (°C)
Melting point (°C)	-89
Relative density	0.7855 20
Vapour pressure	42 hPa 20
Flash point (°C)	12
Auto Ignition Temperature (°C)	>399
Flammability Limit - Lower(%)	2
Flammability Limit - Upper(%)	12
Explosive properties	Not explosive.
Refractive Index	1.376 - 1.378

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical Stability

Stable under proper storage and handling conditions.

10.3 Possibility of chemical reactions

No dangerous reactions known.

10.4 Conditions to avoid

Heat, flame and other ignition sources .

10.5 Incompatible materials

Avoid contact with strong oxidising agents

10.6 Hazardous decomposition products

None when used as directed.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxic Dose 1 - LD 50

4700 mg/kg (oral rat)

Toxic Dose 2 - LD 50

>2000 mg/kg (oral-rbt)

Toxic Conc. - LC 50

46.5 mg/l/4h (inh-rat)

Respiratory or skin sensitisation:**Skin sensitisation**

Buehler test: Guinea Pig

Not Sensitising.

Inhalation

Vapours may cause drowsiness and dizziness.

Eye contact

Irritating to eyes.

Health Warnings

Irritant of eyes and mucous membranes. Narcotic effect. CNS depressant.

Route of entry

Skin and/or eye contact. Ingestion. Skin absorption.

Target Organs

Central nervous system Eyes Skin Respiratory system, lungs

Medical Symptoms

Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). General respiratory distress, unproductive cough. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.

SECTION 12 ECOLOGICAL INFORMATION:**Acute Toxicity - Fish**

48 hours > 100 mg/l Leuciscus idus (Golden orfe)

EC 50, 48 Hrs, Daphnia, mg/l >100**IC 50, 72 Hrs, Algae, mg/l** >100**12.2. Persistence and degradability****Degradability**

Readily biodegradable.

12.3. Bioaccumulative potential**Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil**12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects**SECTION 13 DISPOSAL CONSIDERATIONS:****13.1 Waste Treatment Methods**

Dispose of in accordance with local authority guidelines.

SECTION 14. TRANSPORT INFORMATION:**14.1. UN number****UN No. (ADR/RID/ADN)** 1219**UN No. (IMDG)** 1219**14.2. UN proper shipping name****Proper Shipping Name** ISOPROPANOL**Proper Shipping Name** ISOPROPYL ALCOHOL**14.3. Transport hazard class(es)****ADR/RID/ADN Class** Class 3: Flammable liquids.**ADR Label No.** 3

IMDG Class 3
ICAO Class/Division 3
Transport Labels



14.4. Packing group
ADR/RID/ADN Packing group II
IMDG Packing group II
ICAO Packing group II

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user
EMS F-E, S-D
Emergency Action Code 2[Y]E
Hazard No. (ADR) 33
Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Cat Z

SECTION 15. REGULATORY INFORMATION:

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

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Substance Directive 67/548/EEC. Regulation (EC) No 1272/2008 CLP. Regulation (EC) No 1907/2006 REACH.

15.2 Chemical safety assessment

A CSA has not been carried out for this mixture.

SECTION 16. OTHER INFORMATION:

General information

Only trained personnel should use this material.

Hazard statements –referred to in sect 3

Risk Phrases In Full

R11 Highly flammable
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Classification methods used to derive classification of mixture

Classification according to calculation procedure detailed in EC1272/2008

Additional information

This safety data sheet has been produced based on information supplied by the manufacturers of the materials therein and is believed to be accurate. No warranty is expressed or implied by this information. It is for the user to satisfy themselves of the suitability of the product for their own purposes.