

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** SUPER LUBE EXTREME PRESSURE**Article number:** R232**1.2 Relevant identified uses of the substance or mixture and uses advised against****Product category:** PC24: Lubricants, greases, release products**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:** TYGRIS Industrial
Unit 31, Kyle Road Industrial Estate
Irvine
Ayrshire
KA12 8LE
Tel +44 (0) 1294 311 066
Fax +44 (0) 1294 277 115
Email technical@tygrisindustrial.com**Further information
obtainable from:**

Technical Department

**1.4 Emergency telephone
number:**

Tel +44 (0) 1294 311 066

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Physical hazards:	Flam. Aerosol 1 - H222
Health hazards:	EUH066, STOT SE 3 - H336, STOT RE 2 - H373
Environment hazards:	Aquatic Chronic 2 - H411

2.2. Label elements

Hazard statements:	H222: Extremely flammable aerosol. H336: May cause drowsiness or dizziness. H373: May cause damage to organs through prolonged or repeated exposure. H411: Toxic to aquatic life with long lasting effects.
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Hazard pictograms:	GHS02: Flame GHS07: Exclamation mark GHS09: Environmental GHS08: Health hazard
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Signal word:	Danger
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Precautionary statements:	P102: Keep out of reach of children. P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P211: Do not spray on an open flame or other ignition source. P251: Pressurized container: Do not pierce or burn, even after use. P261: Avoid breathing vapour/spray. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves. P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501: Dispose of contents/container in accordance with local regulations.
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Supplementary precautionary statements:	P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P391: Collect spillage. P403+233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.
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Additional information:	EUH066: Repeated exposure may cause skin dryness or cracking. H229: Pressurised container: May burst if heated
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2.3. Other hazards

PBT:	This product is not identified as a PBT/vPvB substance.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

WHITE SPIRIT

Registration Number: 01-2119458049-33-XXXX

EC	CAS	Index number	CLP Classification	Percent
919-446-0	64742-82-1	-	Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	30-60%

MINERAL OIL (REFINED)

Registration Number: 01-2119467170-45-XXXX

265-155-0	64742-52-5	-	Not classified.	10-30%
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NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

Registration Number: 01-2119463258-33-xxxx

919-857-5	64742-48-9	-	Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336 Asp. Tox. 1 - H304	5-10%
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BUTANE

203-448-7	106-97-8	-	Flam. Gas 1 - H220	5-10%
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ISOBUTANE

200-857-2	75-28-5	-	Flam. Gas 1 - H220	1-5%
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BUTYL ACETATE -norm

Registration Number: 01-2119485493-29-XXXX

204-658-1	123-86-4	-	Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336	< 1%
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N-OLEOYL SARCOSINE

Registration Number: 01-2119488991-20-XXXX

203-749-3	110-25-8	-	Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	< 1%
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OLEYL HYDROXYETHYL IMIDAZOLINE

Registration Number: 01-2119777867-13-XXXX

202-414-9	95-38-5	-	Acute Tox. 4 - H302 Skin Corr. 1B - H314 STOT RE 2 - H373 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	< 1%
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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

General information:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Skin contact:	Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye contact:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Ingestion:	DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
Inhalation:	Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

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

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

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Aerosol cans may explode in a fire.

5.3. Advice for fire-fighters

Special fire fighting procedures: Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

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

Clean-up procedures: Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3. Specific end use(s)

Specific end use(s): The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

BUTANE

Long-term exposure limit (8-hour TWA)	Short-term exposure limit (15-minute)
WEL 600 ppm, 1450 mg/m ³	WEL 750 ppm, 1810 mg/m ³

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

1000 mg/m ³	-
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BUTYL ACETATE -NORM

WEL 150 ppm, 724 mg/m ³	WEL 200 ppm, 966 mg/m ³
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MINERAL OIL (REFINED)

5 mg/m ³	10 mg/m ³
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WHITE SPIRIT

600 mg/m ³	-
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WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment:



Engineering measures:

Provide adequate general and local exhaust ventilation.

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. When using do not eat, drink or smoke.

Respiratory protection:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.

Hand protection:

Use protective gloves.

Eye protection:

Use approved safety goggles or face shield.

Other Protection:

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State:	Aerosol
Colour:	Typical
Odour:	Characteristic
Flammability limits:	Lower: 0.8 % Upper: 9.0 %

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid: Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

10.5. Incompatible materials

Incompatible materials: See section 10.4

10.6. Hazardous decomposition products

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Skin contact:	Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. May cause sensitisation by skin contact. Irritating to skin.
Eye contact:	Irritating to eyes. May cause chemical eye burns.
Inhalation:	May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.
Ingestion:	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
Route of entry:	Inhalation. Skin and/or eye contact.

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity: Dangerous for the environment if discharged into watercourses.

12.2. Persistence and degradability**12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: Disposal considerations****13.1. Waste treatment methods**

General information: Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: Transport information

UN Number (ADR): 1950

UN Number (IMDG): 1950

UN Number (IATA): 1950

14.2 UN proper shipping name

Proper shipping name: AEROSOLS (WHITE SPIRIT)

14.3. Transport hazard class(es)

ADR/RID/ADN Class: 2, Class 2: Gases

ADR Label No. 2.1

IMDG Class: 2.1

ICAO Class/Division: 2.1

Transport labels:



14.4. Packing group

Packing group: Not applicable.

14.5 Environmental hazards

Marine pollutant: Environmentally Hazardous Substance/Marine Pollutant.



14.6 Special precautions for user

EmS: F-D, S-U

Tunnel Restriction Code: (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments:	The Aerosol Dispensers (Amendment) Regulations 2014 No.1130
Guidance Notes:	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.
Seveso category:	P3a FLAMMABLE AEROSOLS
EU Legislation:	The Aerosol Dispensers Directive 1975/324 EEC Regulation (EC) No.1272/2008 The Classification, Labelling and Packaging of substances and mixtures Regulations Regulation (EC) No. 1907/2006 The Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations (REACH) 2001/95/EC The General Product Safety Directive (GPSD) Commission Regulation (EU) 2015/830 Requirements for the compilation of safety data sheets (amending REACH)

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

Chemical safety assessment:	No chemical safety assessment has been carried out.
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SECTION 16: Other information

Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.
Phrases used in s.2 and s.3:	EUH066: Repeated exposure may cause skin dryness or cracking. H220: Extremely flammable gas. H222: Extremely flammable aerosol. H225: Highly 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. H332: Harmful if inhaled. H336: May cause drowsiness or dizziness. H373: May cause damage to organs <<Organs>> through prolonged or repeated exposure. 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.
Legal disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.