

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

**1.1 Product identifier**

**Trade name:** MOULD & TOOL CLEANER SUPA

**Article number:** IS27

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

**Use of substance / mixture:** Solvent based cleaner.

**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  
  
Email [technical@tygrisindustrial.com](mailto: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:** Aerosol 1 - H222, H229

**Health hazards:** Eye Irrit. 2 H319  
 STOT SE 3 H336

**Environmental hazards:** Aquatic Chronic 2 - H411

### 2.2. Label elements

**Hazard Statements:** H222: Extremely flammable aerosol  
 H229: Pressurised container: May burst if heated  
 H319: Causes serious eye irritation  
 H336: May cause drowsiness or dizziness  
 H411: Toxic to aquatic life with long lasting effects

**Hazard pictograms:** GHS02: Flame  
 GHS07: Exclamation mark  
 GHS09: Environmental



**Signal Word:** Danger

**Precautionary Statements:** 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  
 P264: Wash hands thoroughly after handling  
 P271: Use only outdoors or in a well-ventilated area  
 P102: Keep out of reach of children

### 2.3. Other hazards

**Other hazards:** No additional information available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

4-hydroxy-4-methylpentan-2-one, diacetone alcohol

EC	CAS	Classification according to Directive 67/548/EEC	CLP Classification	Percent
204-626-7 EC index no: 603-016-00-1	123-42-2	Xi; R36	Eye Irrit. 2, H319	30-60%

Hydrocarbons, C9, aromatics

918-668-5	-	R10	Flam. Liq. 3, H226 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	30-60%
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Propane  
(substance with national workplace exposure limit(s) (IE))

200-827-9 EC index no: 601-003-00-5	74-98-6	F+; R12	Flam. Gas 1, H220	15-30%
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Butane  
(substance with national workplace exposure limit(s) (GB, IE))

203-448-7 EC index no: 601-004-00-0	106-97-8	F+; R12	Flam. Gas 1, H220 Press. Gas	5-15%
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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

<b>General information:</b>	Get medical advice/attention if you feel unwell.
<b>Skin contact:</b>	Wash with plenty of soap and water.
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.
<b>Inhalation:</b>	May cause respiratory irritation.

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

<b>General information:</b>	Not expected to present a significant hazard under anticipated conditions of normal use.
<b>Skin contact:</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact:</b>	Causes eye irritation.
<b>Ingestion:</b>	May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.
<b>Inhalation:</b>	May cause respiratory irritation.

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

<b>Specific treatments:</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Extinguishing media:</b>	Carbon dioxide. Dry powder. Foam.
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### 5.2. Special hazards arising from the substance or mixture

<b>Fire hazard:</b>	Extremely flammable aerosol.
<b>Explosion hazard:</b>	Explosion risk in case of fire.

### 5.3. Advice for fire-fighters

<b>Advice for fire-fighters:</b>	Use water spray or fog for cooling exposed containers.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>General measures:</b>	Remove ignition sources.
<b>For non-emergency personnel:</b>	Evacuate unnecessary personnel.
<b>For emergency responders:</b>	Use personal protective equipment as required.

### 6.2. Environmental precautions

<b>Environmental precautions:</b>	Avoid release to the environment.
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### 6.3. Methods and material for containment and cleaning up

<b>For containment:</b>	Collect spillage.
<b>Clean-up procedures:</b>	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4. Reference to other sections

<b>Reference to other sections:</b>	For personal protection, see Section 8. See Section 7 for information on safe handling. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

<b>Additional hazards when processed:</b>	Pressurized container: Do not pierce or burn, even after use.
<b>Precautions for safe handling:</b>	Do not spray on an open flame or other ignition source.
<b>Precautions for safe handling:</b>	Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Technical measures:</b>	Does not require any specific or particular technical measures.
<b>Storage conditions:</b>	Keep away from ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
<b>Incompatible products:</b>	Oxidizing agent. Strong acids. Strong bases.
<b>Incompatible materials:</b>	Direct sunlight. Heat sources. Sources of ignition.
<b>Special rules on packaging:</b>	Keep only in original container.

### 7.3. Specific end use(s)

<b>Specific end use(s):</b>	Solvent based cleaner.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

propane (74-98-6)

Ireland	Local name	Propane
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Ireland	Notes (IE)	Asphx

butane (106-97-8)

Ireland	Local name	Butane
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
United Kingdom	Local name	Butane
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1450 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1810 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	750 ppm
United Kingdom	Remark (WEL)	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)

### 8.2. Exposure controls

**Materials for protective clothing:**

Not required for normal conditions of use.

**Respiratory protection:**

Not required for normal conditions of use.

**Hand protection:**

Protective gloves.

**Eye protection:**

Safety glasses.

**Skin protection:**

Not required for normal conditions of use.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State:	Liquid
Appearance:	Aerosol.
Colour:	Colourless
Odour:	Characteristic
Relative density:	0.76

### 9.2. Other information

Other information:	No additional information available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity:	Pressurised container: May burst if heated.
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### 10.2. Chemical stability

Chemical stability:	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

Hazardous reactions:	No additional information available.
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### 10.4. Conditions to avoid

Conditions to avoid:	Direct sunlight. Heat. Open flame.
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### 10.5. Incompatible materials

Materials to avoid:	No additional information available.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products:	No additional information available.
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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

<b>Acute toxicity:</b>	Not classified.
<b>Skin corrosion/irritation:</b>	Not classified.
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitisation:</b>	Not classified.
<b>Germ cell mutagenicity:</b>	Not classified.
<b>Carcinogenicity:</b>	Not classified.
<b>Reproductive toxicity:</b>	Not classified.
<b>Specific target organ toxicity (single exposure):</b>	May cause drowsiness or dizziness.
<b>Specific target organ toxicity (repeated exposure):</b>	Not classified.
<b>Aspiration hazard:</b>	Not classified.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:** No additional information available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No additional information available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No additional information available.

**12.4. Mobility in soil**

**Mobility:** No additional information available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** No additional information available.

**12.6. Other adverse effects**

**Other adverse effects:** No additional information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**General information:** Do not pierce or burn, even after use.

**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 (ADR):** AEROSOLS

**Proper shipping name (IMDG):** AEROSOLS

**Proper shipping name (IATA):** AEROSOLS, FLAMMABLE

**Transport document description (ADR)** UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS

**Transport document description (IMDG)** UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

**14.3. Transport hazard class(es)**

**Transport hazard class(es) (ADR):** 2.1

**Danger labels (ADR):** 2.1

**Transport hazard class(es) (IMDG):** 2.1

**Danger labels (IMDG):** 2.1

**Transport hazard class(es) (IATA):** 2.1

**Danger labels (IATA):** 2.1

**Transport labels:**



**14.4. Packing group**

**Packing group:**

**14.5 Environmental hazards** Not applicable.

**Dangerous for the environment:** Yes

**Marine pollutant:** Yes

**Other information:** No supplementary information available.

**14.6 Special precautions for user**

**OVERLAND TRANSPORT**

**Classification code (ADR):** 5F

**Special provisions (ADR):** 190, 327, 344, 625

**Limited quantities (ADR):** 1L

**Excepted quantities (ADR):** E0

**Packing instructions (ADR):** P207, LP02

**Special packing provisions (ADR):** PP87, RR6, L2

**Mixed packing provisions (ADR):** MP9

**Transport category (ADR):** 2

**Special provisions for carriage - Packages (ADR):** V14

**Special provisions for carriage - Loading, unloading and handling (ADR):** CV9, CV12

**Special provisions for carriage - Operation (ADR):** S2

**Tunnel restriction code (ADR):** D

**TRANSPORT BY SEA**

**Special provisions (IMDG):** 63, 190, 277, 327, 344, 959

**Limited quantities (IMDG):** SP277

**Excepted quantities (IMDG):** E0

**Packing instructions (IMDG):** P207, LP02

**Special packing provisions (IMDG):** PP87, L2

**EmS-No. (Fire):** F-D

**EmS-No. (Spillage):** S-U

**Stowage category (IMDG):** None

**AIR TRANSPORT**

**PCA Excepted quantities (IATA):** E0

**PCA Limited quantities (IATA):** Y203

**PCA limited quantity max net quantity (IATA):** 30kgG

**PCA packing instructions (IATA):** 203

PCA max net quantity (IATA): 75kg  
 CAO packing instructions (IATA): 203  
 CAO max net quantity (IATA): 150kg  
 Special provisions (IATA): A145, A167, A802  
 ERG code (IATA): 10L

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

IBC code: Not applicable.

**SECTION 15: Regulatory information**

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

**National regulations:** No additional information available.  
**EU legislation:** Contains no substances with Annex XVII restrictions.  
 Contains no substance on the REACH candidate list.  
 Contains no REACH Annex XIV substances.

**15.2. Chemical safety assessment**

**Chemical safety assessment:** No additional information available.

**SECTION 16: Other information**

**Classification procedures according to Regulation (EC) 1272/2008:** Aerosol 1: Aerosol, Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment — Chronic Hazard, Category 2  
 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. 3: Flammable liquids, Category 3  
 Press. Gas: Gases under pressure  
 STOT SE 3: Specific target organ toxicity — Single exposure, Category 3, Narcosis  
 STOT SE 3: Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

**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:** H220: Extremely flammable gas  
 H222: Extremely flammable aerosol  
 H226: Flammable liquid and vapour  
 H229: Pressurised container: May burst if heated  
 H304: May be fatal if swallowed and enters airways  
 H319: Causes serious eye irritation  
 H335: May cause respiratory irritation  
 H336: May cause drowsiness or dizziness  
 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.