

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
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: 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

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

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

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

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

Specific treatments:	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguishing media:	Carbon dioxide. Dry powder. Foam.
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5.2. Special hazards arising from the substance or mixture

Fire hazard:	Extremely flammable aerosol.
Explosion hazard:	Explosion risk in case of fire.

5.3. Advice for fire-fighters

Advice for fire-fighters:	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

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

6.2. Environmental precautions

- Environmental precautions:** Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

- Reference to other sections:** For personal protection, see Section 8. See Section 7 for information on safe handling. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

- Specific end use(s):** Solvent based cleaner.

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 ³)	1450 mg/m ³
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m ³)	1810 mg/m ³
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

Acute toxicity:	Not classified.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
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

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.