

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

### 1.1 Product identifier

Trade name: CERAMIC RELEASE AGENT

Article number: IS35

### 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  
 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

Classification under CLP: Flam. Aerosol 1: H222; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066; -: H229

Most important adverse effects: Repeated exposure may cause skin dryness or cracking. Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness.

### 2.2. Label elements

Hazard statements: EUH066: Repeated exposure may cause skin dryness or cracking.  
 H222: Extremely flammable aerosol.  
 H229: Pressurised container: May burst if heated.  
 H319: Causes serious eye irritation.  
 H336: May cause drowsiness or dizziness.

Hazard pictograms: GHS02: Flame  
 GHS07: Exclamation mark



Signal word: Danger

Precautionary statements: P102: Keep out of reach of children.  
 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.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection. P410 +412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

### 2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

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

**3.2. Mixtures**

**Hazardous ingredients:**

ACETONE - REACH registered number(s): 01-2119471330-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-662-2	67-64-1	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	30-50%

PROPANE

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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ETHYL METHYL KETONE

201-159-0	78-93-3	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	10-30%
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BUTANE

203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	1-10%
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XYLENE - REACH registered number(s): 01-2119484661-33-0004

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	1-10%
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ISOBUTANE

200-857-2	75-28-5	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	1-10%
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SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC.; LOW BOILING POINT NAPHTHA

265-199-0	64742-95-6	-	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; Aquatic Chronic 2: H411; STOT SE 3: H336; -: EUH066	1-10%
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DIBORON TRIOXIDE

215-125-8	1303-86-2	-	Repr. 1B: H360FD	<1%
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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Skin contact:</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes. Consult a doctor.
<b>Ingestion:</b>	Do not induce vomiting. Wash out mouth with water. Consult a doctor.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours.

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

<b>Skin contact:</b>	There may be mild irritation at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness.
<b>Ingestion:</b>	There may be soreness and redness of the mouth and throat.
<b>Inhalation:</b>	There may be irritation of the throat with a feeling of tightness in the chest.
<b>Delayed / immediate effects:</b>	No data available.

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

<b>Immediate / special treatment:</b>	Not applicable.
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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

<b>Extinguishing media:</b>	Suitable extinguishing media for the surrounding fire should be used.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Exposure hazards:</b>	Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
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#### 5.3. Advice for fire-fighters

<b>Advice for fire-fighters:</b>	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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### SECTION 6: Accidental release measures

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

<b>Personal precautions:</b>	Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind.
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#### 6.2. Environmental precautions

<b>Environmental precautions:</b>	Do not discharge into drains or rivers.
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#### 6.3. Methods and material for containment and cleaning up

<b>Clean-up procedures:</b>	Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.
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#### 6.4. Reference to other sections

<b>Reference to other sections:</b>	Refer to section 8 of SDS.
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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

<b>Handling requirements:</b>	Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden. Use non-sparking tools. Avoid direct contact with the substance.
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#### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage conditions:</b>	Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition.
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<b>Suitable packaging:</b>	Must only be kept in original packaging.
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#### 7.3. Specific end use(s)

<b>Specific end use(s):</b>	PC24: Lubricants, greases, release products.
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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

ACETONE

**Workplace exposure limits:**

**Respirable dust:**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	500ppm 1210mg/m <sup>3</sup>	1500ppm 3620mg/m <sup>3</sup>	-	-

PROPANE

UK	1800 mg/m <sup>3</sup>	7200 mg/m <sup>3</sup>	-	-
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ETHYL METHYL KETONE

UK	600 mg/m <sup>3</sup>	899 mg/m <sup>3</sup>	-	-
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BUTANE

UK	1450 mg/m <sup>3</sup>	1810 mg/m <sup>3</sup>	-	-
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XYLENE

UK	-	-	220mg/m <sup>3</sup>	441mg/m <sup>3</sup>
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ISOBUTANE

UK	2400 mg/m <sup>3</sup>	9600 mg/m <sup>3</sup>	-	-
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DIBORON TRIOXIDE

UK	10 mg/m <sup>3</sup>	20 mg/m <sup>3</sup>	-	-
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**DNEL/PNEC Values**

**Hazardous ingredients:**

ACETONE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	186mg/kg/day	Workers	Systemic
DNEL	Inhalation	2420mg/m <sup>3</sup>	Workers	Local
DNEL	Inhalation	1210mg/m <sup>3</sup>	Workers	Systemic
DNEL	Oral	62mg/kg/day	Consumers	Systemic
DNEL	Dermal	62mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Inhalation	200mg/m <sup>3</sup>	Consumers	Systemic
PNEC	Fresh water	10.6mg/l	-	-
PNEC	Marine water	1.06mg/l	-	-
PNEC	Fresh water	Intermittent release	-	-
PNEC	Fresh water sediments	30.4 mg/kg	-	-
PNEC	Marine sediments	3.04mg/kg	-	-
PNEC	Soil (agricultural)	29.5mg/kg	-	-
PNEC	Microorganisms in sewage treatment	100mg/l	-	-

XYLENE

Type	Exposure	Value	Population	Effect
DNEL	Exposure	289mg/m3	Workers	Systemic
DNEL	Inhalation	180mg/m3	Workers	Systemic
DNEL	Dermal	77mg/m3	Workers	Systemic
DNEL	Inhalation	174mg/m3	Consumers	Systemic
DNEL	Dermal	108mg/kg/day	Consumers	Systemic
DNEL	Inhalation	14.8mg/m3	Consumers	Systemic

**8.2. Exposure controls**

- Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
- Respiratory equipment:** Respiratory protection not required.
- Hand protection:** Chemically resistant gloves.
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.
- Environmental:** Prevent from entering in public sewers or the immediate environment.

**SECTION 9: Physical and chemical properties**

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

- State:** Aerosol
- Colour:** White
- Odour:** Characteristic odour
- Solubility in water:** Miscible
- Also soluble in:** Most organic solvents
- Flash point°C:** -60
- Relative density:** 0.96

**9.2. Other information**

- Other information:** No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

- Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

- Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3. Possibility of hazardous reactions**

- Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

**10.4. Conditions to avoid**

- Conditions to avoid:** Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

**10.5. Incompatible materials**

- Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

ACETONE

DERMAL	RAT	LD50	>7400	mg/kg
DERMAL	RBT	LD50	2000	mg/kg
ORAL	RAT	LD50	5800	mg/kg
VAPOURS	RAT	4H LC50	76000	mg/l

XYLENE

DERMAL	RBT	LD50	>1700	mg/kg
GASES	MUS	1H LC50	5000	ppmV
ORAL	RAT	LD50	4300	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.  
**Eye contact:** There may be irritation and redness.  
**Ingestion:** There may be soreness and redness of the mouth and throat.  
**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.  
**Delayed / immediate effects:** No data available.  
**Other information:** Not applicable.

**SECTION 12. Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

ACETONE

ALGAE	192H EC10	530	mg/l
Activated Sludge	30m EC10	1000	mg/l
DAPHNIA	48H EC50	8800	mg/l
Daphnia magna	192H EC10	2212	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	5540	mg/l

XYLENE

Daphnia magna	48H EC50	<10	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	41	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**SECTION 13: Disposal Considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Not applicable.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**SECTION 14: Transport Information**

**14.1. UN number**

**UN number:** UN1950

**14.2. UN proper shipping name**

**Shipping name:** AEROSOLS

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

**Transport class:** 2

**14.4. Packing group**

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** D

**Transport category:** 2

**SECTION 15: Regulatory Information**

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

**Specific regulations:** Not applicable.

**15.2. Chemical safety assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**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.  
H226: Flammable liquid and vapour.  
H229: Pressurised container: May burst if heated  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H360FD: May damage fertility. May damage the unborn child.  
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.