

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

##### 1.1 Product identifier

Trade name: **ELECTRO CLEAN**

Article number: **IS20**

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

Product category: PC35: Washing and cleaning products (including solvent based 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; Aquatic Chronic 2: H411; 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. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

##### 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.  
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:

Precautionary Statements: Danger

##### 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.

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.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Hazardous ingredients:**

PENTANE - REACH registered number(s): 01-2119459286-30

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-692-4	109-66-0	-	Flam. Liq. 2: H225; Asp. Tox. 1: H304; STOT SE 3: H336; Aquatic Chronic 2: H411; -: EUH066	50-70%

**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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
<b>Eye contact:</b>	Bathe the eye with running water for 15 minutes. Consult a doctor.
<b>Ingestion:</b>	Do not induce vomiting. 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>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.

**Delayed / immediate effects:** No data available.

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

**Immediate / special treatment:** Not applicable.

**SECTION 5: Firefighting measures**
**5.1 Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**SECTION 6: Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** 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.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS

**SECTION 7: Handling and storage**
**7.1 Precautions for safe handling**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden. Use non-sparking tools.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**

**Hazardous ingredients:**

**Workplace exposure limits:**

**PENTANE**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1800 mg/m <sup>3</sup>	-	-	-

**DNEL/PNEC Values**

**DNEL / PNEC:** No data available.

**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 protection:** 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:** Colourless  
**Odour:** Characteristic  
**Flash point°C:** -60

**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**

**Hazardous decomposition products:** In combustion emits toxic fumes.

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

ORL	RAT	LD50	>2000	mg/kg
-----	-----	------	-------	-------

**Relevant hazards for product:**

Hazard	Route	Basis
STOT-single exposure	-	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

**SECTION 12: Ecological Information**
**12.1. Toxicity**
**Hazardous ingredients:**
**PENTANE**

FISH	96H LC50	1-	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:** Toxic to aquatic organisms.

**SECTION 13: Disposal Considerations****13.1. Waste treatment methods**

<b>Disposal operations:</b>	Transfer to a suitable container and arrange for collection by specialised disposal company.
<b>Recovery operations:</b>	Not applicable.
<b>Disposal of packaging:</b>	Not applicable.
<b>NB:</b>	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:** Yes

**Marine pollutant:** No

**14.6. Special precautions for user****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.  
H222: Extremely flammable aerosol.  
H225: Highly flammable liquid and vapour.  
H229: Pressurised container: May burst if heated.  
H304: May be fatal if swallowed and enters airways.  
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.