

## Power Fix 4000 - Activator

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### 1.1 Product Identifier

Material name : Power Fix 4000 - Activator  
 Product code :

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

Product use : Activator for cyanoacrylate adhesive

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: IMG Ltd.,  
 Unit M  
 Riverside Industrial Estate  
 Fazeley  
 Tamworth  
 B78 3RW

Tel. : 01827 283322  
 Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no. : 01827 283322 (Available from 8.30 – 17.00 hours).

### 2. HAZARDS IDENTIFICATION

#### 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation.

Physical and Chemical Hazards : Aerosol Cat.1; H222; H229  
 Human health : Sk.Irrit.2; H315; STOT SE3; H336  
 Environment : Aq. Chron.2; H411

#### 2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Danger Contains: Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics.

Pictograms:



Hazard statements: H222 Extremely flammable aerosol  
 H229 Pressurized container: may burst if heated  
 H315 Causes skin irritation  
 H336 May cause drowsiness or dizziness  
 H411 Toxic to aquatic life with long-lasting effects

Precautionary statements:

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.  
 P271 Use only outdoors or in a well ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves.  
 P302+352 IF ON SKIN: Wash with plenty of water.  
 P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Precautionary statements (continued):** P501 Dispose of contents/container in accordance with local/national regulations.

**2.3 Other hazards:** In use, may form flammable / explosive vapour-air mixture.  
 The product does not contain any vPvB or PBT substances.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures: Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
HYDROCARBONS, C7, n-ALKANES, ISOALKANES, CYCLICS	- 927-510-4	Flam.Liq. 2: H225 Asp. Tox. 1: H304 Sk.Irrit. 2: H315 STOT SE 3: H336 Aq.Chron. 2: H411	50-70%
BUTANE	106-97-8 203-448-7	Flam.Gas 1: H220 Press. Gas: H280	10-30%
N,N-DIMETHYL-P-TOLUIDINE	99-97-8 202-805-4	Ac.Tox. 3: H301 Ac.Tox. 3: H311 Ac.Tox. 3: H331 STOT RE 2: H373 Aq.Chron.3: H412	<1%

See Section 16 for the full text of the H-statements noted above.

(1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation).

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**General advice:** Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

**Skin contact:** Wipe off skin and wash with soap and water. Seek medical advice if irritation develops.

**Eye contact:** Rinse with water for 10 minutes and seek medical advice if irritation persists.

**Ingestion:** Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

**Inhalation:** Remove to fresh air. Seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause irritation to skin and eyes with prolonged contact.

**4.3 Indication of any immediate medical attention and special treatment needed:** See skin and eye contact information above.

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.  
 Unsuitable extinguishing media: High volume water jet

## 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

## 5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

## 6. ACCIDENTAL RELEASE MEASURES

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

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

### 6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

### 6.3 Methods and materials for containment and cleaning up

Wipe up spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

**6.4 References to other sections:** See sections 8 and 13 for personal protection and disposal information.

## 7. HANDLING AND STORAGE

**7.1 Precautions for safe handling:** Do not breathe spray mist. Avoid contact with skin and eyes. Handle with care.

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

Store in a cool, well ventilated area, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

### 7.3 Specific end use(s)

No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Reference
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics.	1600 mg/m <sup>3</sup>	-	Supplier
Butane	1450 mg/m <sup>3</sup>	1810 mg/m <sup>3</sup>	EH40

DNEL/PNEC: No information available

## 8.2 Exposure controls

**Engineering measures:** Provide adequate ventilation to ensure that the workplace exposure limits are not exceeded. Provide emergency eye wash stations and shower facilities.

### Personal protective equipment

**Respiratory protection:** Unlikely to be necessary in normal circumstances; if vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

**Hand protection:** Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time  $\geq 480$  min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

**Eye protection:** Chemical splash goggles of EN 166 standard if eye contact is reasonably probable.

**Skin and body protection:** Wear suitable protective overalls.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

**Environmental exposure controls:** Do not discharge into drains or rivers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State and colour	Aerosol emitting colourless liquid
Odour	Hydrocarbon/aromatic
Odour Threshold	No data available
Flammability	Extremely flammable
Flash point	$<0^{\circ}\text{C}$
Lower explosion limit	0.6%
Upper explosion limit	9.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	No data available
Oxidising properties	Non-oxidising
Solubility in water	Insoluble
Solubility in other solvents	Not determined
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Density	Not applicable
Vapour pressure	No data available
Vapour density	Not determined
Partition coefficient: n-octanol/water	Not determined
Viscosity	Not applicable
Evaporation rate	No data available

**9.2 Other information** VOC content: 99%

## 10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	Naked flames, ignition sources.
10.5 Incompatible materials	Strong oxidising agents. Strong acids. Strong alkalis.
10.6 Hazardous decomposition products	Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity:

Chemical name	IPR (LD50)	Inhalation (LC50)	Dermal (LD50)
n,n-Dimethyl-p-toluidene	212 mg/kg (Mouse)	No data available	No data available

<b>Skin corrosion/irritation:</b>	Irritating to skin.
<b>Serious eye damage/eye irritation:</b>	Not classed as an eye irritant.
<b>Respiratory or skin sensitisation:</b>	Not classed as a respiratory or skin sensitizer.
<b>Repeated dose toxicity:</b>	No data available.
<b>Carcinogenicity:</b>	Not carcinogenic.
<b>Mutagenicity:</b>	Not mutagenic.
<b>Toxicity for reproduction:</b>	Not toxic for reproduction.
<b>Specific target organ toxicity (STOT):</b>	High vapour concentrations may cause central nervous system depression resulting in headaches, nausea and dizziness, continued inhalation may result in unconsciousness or even death.

**Further information** The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of spray mist.

## 12. ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and degradability	Biodegradable
12.3 Bioaccumulative potential	Low bioaccumulation potential.
12.4 Mobility in soil	Insoluble in water.
12.5 Results of PBT and vPvB assessment	No PBT or vPvB substances identified.
12.6 Other adverse effects	The aerosol contents are potentially toxic to aquatic life with long-lasting effects.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods


Disposal operations: Dispose of in accordance with local and national regulations.  
 Contact licensed waste disposal company. Most aerosols can be recycled.  
 Do not pierce or burn or use a cutting torch on the empty aerosol container

### 14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

<b>14.1 UN number</b>	ADR/RID/ADN; IMDG; ICAO	1950
<b>14.2 UN proper shipping name</b>	AEROSOLS	
<b>14.3 Transport hazard class(es)</b>	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2, Gases
	ADR Label No.	2.1
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary risk	2.1
	Transport labels	
<b>14.4 Packing Group</b>	ADR/RID/ADN; IMDG; ICAO	Not applicable for aerosols
<b>14.5 Environment hazards</b>	Marine Pollutant	Not applicable for aerosols.
<b>14.6 Special precautions for user</b>	EMS	F-D, S-U
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>		Not applicable for aerosols.

### 15. REGULATORY INFORMATION

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

##### UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

##### EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Directive 2010/75/EU (VOC): 99%

##### Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

##### Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

#### 15.2 Chemical Safety Assessment

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

### 16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals) as amended and Regulation EU 453/2010.

Tariff Number: 34039900

#### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data.  
Health hazards: Calculation method  
Environmental hazards: Calculation method

#### Full text of H-statements referred to under sections 2 and 3

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurized container: may burst if heated
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
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
H412	Harmful to aquatic life with long-lasting effects

### Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists  
ATE: Acute Toxicity Estimate (Section 11).  
CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.  
DNEL: Derived No Effect Level (Section 8).  
IPR: Intraperitoneal (Section 11)  
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).  
PNEC: Predicted No Effect Concentration (Section 8).  
STEL: Short-term exposure limit. (Section 8).  
STOT: Single Target Organ Toxicity (Section 11).  
TWA: Time-weighted average. (Section 8).  
vPvB: very Persistent and very Bioaccumulative. (Section 12).

**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.