

Power Fix 4000

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

1.1 Product Identifier

Material name : Power Fix 4000
 Product code :

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

Product use : 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

2.1 Classification of the substance or mixture

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

Physical and Chemical Hazards	Not classified
Human health	Skin Irrit.2: H315; Eye Irrit.2: H319; STOT SE3: H335; EUH202
Environment	Not classified

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Warning.
 Pictograms:

Contains: Ethyl-2-Cyanoacrylate



Hazard statements:	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation

Precautionary statements:

P261	Avoid breathing vapours.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of water
P332+313	If skin irritation occurs: Get medical advice/attention.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313	If eye irritation persists get medical advice/attention.
P501	Dispose of contents/container in accordance with local/national regulations.

Supplemental labelling statements: EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

2.3 Other hazards: 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.	Classification (1272/2008/EC)	Content
ETHYL-2-CYANOACRYLATE	7085-85-0 230-391-5	Skin. Irrit.2: H315 Eye Irrit. 2: H319 STOT SE3: H335: C \geq 10%	70-90%

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: Do not pull bonded skin apart - soak in warm soapy water until bonded area can be loosened using a blunt object such as a spoon handle.

Eye contact: Bonded eyelids can be gently peeled apart after soaking with warm water pads left over the eye. **Do not force.** Cyanoacrylate will bond to eye protein causing lachrymatory effect which will help loosen product. Keep eye covered until debonding is complete – usually 1-3 days. Seek medical advice as solid particles may abrade the eye surface.

Ingestion: Ensure breathing passages are not obstructed. Product will immediately polymerise and become inert in the mouth. Saliva will slowly loosen particles after several hours.

Inhalation: Remove to fresh air, seek medical advice if effects persist.

4.2 Most important symptoms and effects, both acute and delayed: Bonds skin and eyes in seconds.

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: Product is non-flammable; use appropriate extinguishing media for the surrounding area.
Unsuitable extinguishing media: Not applicable.

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: Avoid contact with skin and eyes. Handle with care. Avoid breathing vapours.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area between 5°C and 25°C. Keep container tightly closed.

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
ETHYL-2-CYANOACRYLATE	-	0.3 ppm/1.5 mg/m ³	EH40/2005

DNEL/PNEC: No information available

8.2 Exposure controls

Engineering measures: Provide adequate ventilation to control exposure.

Personal protective equipment

Respiratory protection: Use respiratory protection suitable for organic vapours/dust if vapour/dust levels are high.

Hand protection: Wear chemically resistant gloves such as polyethylene or polypropylene gloves approved to standard EN 374; material thickness 0.5mm; break through time \geq 480 min. Do not use PVC, rubber, cotton or nylon gloves. 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.

8.2 Exposure controls (continued)

Eye protection: Tightly-fitting safety goggles or glasses conforming to European standard EN 166.

Skin and body protection: 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	Colourless liquid
Odour	Sharp, characteristic odour
Odour Threshold	Not determined
Flammability	Not classed as flammable
Flash point	60-93°C
Lower explosion limit	No data available
Upper explosion limit	No data available
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	No data available
Oxidising properties	No data available
Solubility in water	Insoluble
Solubility in other solvents	Acetone - complete
pH	Not applicable
Melting point/range	No data available
Boiling point/range	150°C
Relative density	1.04
Vapour pressure	0.293 mmHg @25°C
Vapour density	Not determined
Partition coefficient: n-octanol/water	Not determined
Viscosity	No data available
Evaporation rate	No data available

9.2 Other information No data available

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	Heat.
10.5 Incompatible materials	Strong oxidising agents. Strong acids.
10.6 Hazardous decomposition products	None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
ETHYL-2-CYANOACRYLATE	>5 ml/kg (Rat)	No data available	No data available

Skin corrosion/irritation:	May cause irritation, redness and pain. Can bond skin in seconds.
Serious eye damage/eye irritation:	May cause eye irritation. May cause pain, redness and watering. May cause permanent damage. Can bond eyelids in seconds.
Respiratory or skin sensitisation:	Not classed as a sensitiser.
Repeated dose toxicity:	No data available.
Carcinogenicity:	Not carcinogenic.
Mutagenicity:	Not mutagenic.
Toxicity for reproduction:	Not expected to impair fertility.
Specific target organ toxicity (STOT):	No data available
Further information:	Acute effects may be experienced after short term exposure.

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	Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer.
 Do not dispose of together with household waste. Contact licensed waste disposal company.
 Empty containers should be taken to an approved waste handling site for recycling or disposal.
 Do not burn or use a cutting torch on the empty container.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport purposes. UN number not required.

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): 0 g/l

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: 35069100

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

H315 Causes skin irritation.
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
DNEL: Derived No Effect Level (Section 8).
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).



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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.

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