

Titanium Stick

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

1.1 Product Identifier

Material name : Titanium Stick
Product code :

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

Product use : Epoxy repair compound

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	Not classified
Human health	Sk Irrit.2; H315; Eye Irrit.2; H319; EUH208
Environment	Not classified

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Warning

Pictograms:



Hazard statements:	H315	Causes skin irritation.
	H319	Causes serious eye irritation.

Precautionary statements:	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	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.

Supplemental label information: EUH208 Contains Triethylene Tetramine; Bisphenol A-(Epichlorhydrin) {Reaction product}; Aminoethyl Piperazine. May produce an allergic reaction.

2.3 Other hazards: No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
TALC	14807-96-6 238-877-9	Not classified but has a WEL.	30-50%
TRIETHYLENE TETRAMINE	112-24-3	Ac.Tox.4; H302 Sk.Corr.1B; H314 Sk.Sens.1B; H317 Aq.Chron.3; H412	<1%
PHENOL	108-95-2	Ac.Tox.3; H301+H311+H331 Sk.Corr.1B; H314 Muta.2; H341 STOT RE2; H373	<1%
BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}	25068-38-6 500-033-5	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	<1%
AMINOETHYL PIPERAZINE	140-31-8	Ac.Tox.4; H302+312 Sk.Corr.1B; H314 Sk.Sens.1; H317 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: Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 15 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: No undue effects in normal circumstances, if affected remove to fresh air and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin and eyes. May cause an allergic skin reaction.

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 any liquid 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.

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	Information	Reference
TALC	1 mg/m ³	-	Respirable dust	EH40
PHENOL	2 ppm	4 ppm	(Sk)	EH40

DNEL/PNEC: No information available.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: Self contained breathing apparatus may be required if handling in a confined space with no ventilation.

Hand protection: Nitrile or neoprene gloves; check with glove manufacturer for specific advice. (Sk) noted above means can be absorbed through skin.

Eye protection: Tightly-fitting safety goggles.

Skin and body protection: Protective overalls.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

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	Gold-brown solid
Odour	Mild
Odour Threshold	No data available
Flammability	Non-flammable
Flash point	>93°C
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	Not applicable
Oxidising properties	Non-oxidising
Solubility in water	Insoluble
Solubility in other solvents	Not determined
pH	Not applicable
Melting point/range	Not determined
Boiling point/range	>35°C
Density	1.9
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	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	Prolonged heat.
10.5 Incompatible materials	Strong acids. Strong bases. Strong oxidising agents. Amines.
10.6 Hazardous decomposition products	Combustion will generate oxides of carbon, acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Triethylene Tetramine	1600 mg/kg (Mouse)	No data available	No data available
Phenol	317 mg/kg (Rat)	No data available	No data available
Bisphenol A-(Epichlorhydrin) {Reaction product}	11400 mg/kg (Rat)	No data available	>20 ml/kg (Rabbit)

Skin corrosion/irritation:	May cause skin irritation.
Serious eye damage/eye irritation:	May cause eye irritation.
Respiratory or skin sensitisation:	May cause skin sensitisation.
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

The product as a whole is unlikely to cause any significant adverse effects, particularly when the advice in Sections 7 and 8 is followed.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and degradability	Partially biodegradable; inorganic components such as Talc are not biodegradable.
12.3 Bioaccumulative potential	Low bioaccumulation potential.
12.4 Mobility in soil	Insoluble in water.
12.5 Results of PBT and vPvB assessment	Not identified as PBT/vPvB.
12.6 Other adverse effects	Harmful to aquatic organisms.

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.

European Waste
Catalogue (EWC): 08 04 09

14. TRANSPORT INFORMATION

Not classified for transport.

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.

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: 39073000

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

Skin Irrit.2; H315: Calculation method
Eye Irrit.2; H319: Calculation method

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

H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation
H331	Toxic if inhaled
H341	Suspected of causing genetic defects
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

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 11).
TWA: Time-weighted average. (Section 8).
STEL: Short-term exposure limit. (Section 8).
DNEL: Derived No Effect Level (Section 8).
PNEC: Predicted No Effect Concentration (Section 8).
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).
vPvB: very Persistent and very Bioaccumulative. (Section 12).
EC50: Effective Concentration, 50 percent. (Section 12).
LC50: Lethal Concentration, 50 percent. (Section 11/12).
LD50: Lethal Dose, 50 percent. (Section 11).

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.