

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

### 1.1 Product Identifier

Material name : Epoxy Rod - Titanium  
Product code :

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

Product use : A two component epoxy repair paste for titanium.

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

Manufacturer/Supplier: Go Pro Chemicals  
Unit 5B  
Molesworth Business Estate  
Molesworth  
Cambridgeshire  
PE28 0QG

Tel. : 01832 279279

Email (for SDSs) : info@goprochemicals.co.uk

1.4 Emergency tel. no. : 01832 279279

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

According to GB Classification, Labelling and Packaging of Substances and Mixtures Regulation (CLP):

Physical and Chemical Hazards	Not classified
Human health	Skin Irrit.2; H315; Skin Sens.1; H317; Eye Irrit.2; H319; EUH205
Environment	Aquatic Chronic 3; H412

### 2.2 Label elements

Labelling according to GB CLP:

Signal word: Warning.

Pictograms:



<b>Hazard statements:</b>	H315	Causes skin irritation
	H317	May cause an allergic skin reaction
	H319	Causes serious eye irritation
	H412	Harmful to aquatic life with long-lasting effects

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## Precautionary statements:

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists get medical advice/attention.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container to comply with Local, National and International regulations.

## Supplemental statements:

EUH205: Contains epoxy constituents. May produce an allergic reaction.

**3.2 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 (CLP)	Content
BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}	25068-38-6 500-033-5	Skin. Irrit.2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aq.Chron.2; H411	1-10%
REACTION PRODUCT OF EPICHLOROHYDRIN AND BISPHENOL A	25085-99-8 -	Skin. Irrit.2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aq.Chron.2; H411	1-10%
NONYLPHENOL *	25154-52-3 246-672-0	Repr. 2; H361fd Acute Tox. 4; H302 Aq. Acute 1; H400 Aq. Chronic 1; H410	<1%

Substance classifications are taken from the GB Mandatory Classification and Labelling (MCL) list, or if absent, from supplier's information.

**Ingredient comments:**\* CAS No. 25154-52-3 has been identified as an Endocrine Disrupter (environment).

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

## 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.

**4.1 Description of first aid measures (continued)**

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Remove to fresh air and seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause irritation to skin. May cause eye irritation. May cause sensitisation.

**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 the formation of dust.

**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:** No ingredients have been assigned a Workplace Exposure Limit.

**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 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:** 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	Gold/brown solid/paste
Odour	Barely perceptible odour
Odour Threshold	Not determined
Flammability	Not classed as flammable
Flash point	>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	Not determined
pH	Not applicable
Melting point/range	No data available
Boiling point/range	>35°C
Relative density	1.9
Vapour pressure	<500 Pa @50°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** VOC content: 0 g/l

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## 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	Extreme heat.
10.5 Incompatible materials	Strong oxidising agents. Strong acids. Amines. Amides.
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)
BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}	1140 mg/kg (Rat)	No data available	>20 ml/kg (Rabbit)
NONYLPHENOL	580 mg/kg (Rat)	No data available	No data available

**Skin corrosion/irritation:** Prolonged or repeated contact may cause irritation.

**Serious eye damage/eye irritation:** May cause eye irritation.

**Respiratory or skin sensitisation:** May cause sensitisation.

**Repeated dose toxicity:** No data available.

**Carcinogenicity:** Not carcinogenic.

**Mutagenicity:** Not mutagenic.

**Toxicity for reproduction:** Nonylphenol is suspected of damaging 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

Chemical name	Species	Test	Value
Nonylphenol	Daphnia	EC50 48h	104 µg/l
	Fish (Pimephales promelas)	LC50 96h	96 µg/l

**12.2 Persistence and degradability**

Biodegradable

**12.3 Bioaccumulative potential**

Nonylphenol BCF: 154.88; 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**

Harmful 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. 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.

GB MCL (Mandatory Classification and Labelling).

**Statutory Instruments**

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

S.I. 2020 No. 1577: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

**Guidance Notes**

Health and Safety Executive Workplace Exposure Limits EH40.

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been performed on this product.

**16. OTHER INFORMATION**

This safety data sheet is prepared in accordance with the requirements of the UK REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020. (S.I. 2020 No. 1577).

**Reason for revision:** regulatory references changed from Regulation (EC) No 1272/2008 (CLP) and EU REACH to GB CLP and UK REACH.

**Classification and procedure used to derive the classification for mixtures according to GB CLP:**

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

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

H302	Harmful if swallowed
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H361fd	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life

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

H410 Very toxic to aquatic life with long-lasting effects  
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).  
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.

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