

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name**           **FORCH EPOXY METAL STICKS 56G**  
**Synonyms**               6430 4190 - ARTICLE NUMBER

#### 1.2 Uses and uses advised against

**Uses**                    ADHESIVE • EPOXY ADHESIVE • METAL WORK • STRUCTURAL ADHESIVE

#### 1.3 Details of the supplier of the product

**Supplier name**       **FORCH AUSTRALIA PTY LTD**  
**Address**             2 Forward St, Gnangara, WA, 6077, AUSTRALIA  
**Telephone**          (08) 9303 9113  
**Fax**                  (08) 9303 9114  
**Email**                [shop@forch.com.au](mailto:shop@forch.com.au)  
**Website**            <https://www.forch.com.au/>

#### 1.4 Emergency telephone numbers

**Emergency**           (08) 9303 9113  
**Emergency**           0413 550 330; 0424 135 792

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

##### Physical Hazards

Not classified as a Physical Hazard

##### Health Hazards

Skin Corrosion/Irritation: Category 1B  
Skin Sensitisation: Category 1  
Serious Eye Damage / Eye Irritation: Category 1

##### Environmental Hazards

Aquatic Toxicity (Chronic): Category 3

#### 2.2 GHS Label elements

**Signal word**           **DANGER**

##### Pictograms



##### Hazard statements

H314                   Causes severe skin burns and eye damage.  
H317                   May cause an allergic skin reaction.  
H318                   Causes serious eye damage.  
H412                   Harmful to aquatic life with long lasting effects.

## PRODUCT NAME    **FORCH EPOXY METAL STICKS 56G**

### Prevention statements

|      |  |
|------|--|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                           |
| P264 | Wash thoroughly after handling.  |
| P272 | Contaminated work clothing should not be allowed out of the workplace.     |
| P273 | Avoid release to the environment.  |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

### Response statements

|                    |  |
|--------------------|--|
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.   |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                              |
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310               | Immediately call a POISON CENTRE or doctor/physician.  |
| P321               | Specific treatment is advised - see first aid instructions.  |
| P333 + P313        | If skin irritation or rash occurs: Get medical advice/attention.   |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.   |

### Storage statements

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

### Disposal statements

|      |  |
|------|--|
| P501 | Dispose of contents/container in accordance with relevant regulations. |
|------|--|

### 2.3 Other hazards

No information provided.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1 Substances / Mixtures

| Ingredient  | CAS Number | EC Number | Content (w/w) |
|---|------------|-----------|---------------|
| REACTION PRODUCT:<br>BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN<br>(NUMBER AVERAGE MOLECULAR WEIGHT $\leq$ 700) | 25068-38-6 | 500-033-5 | 10 to 20%     |
| 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL  | 90-72-2    | 202-013-9 | 5 to 10%      |
| CALCIUM CARBONATE   | 471-34-1   | 207-439-9 | Not Available |
| TALC  | 14807-96-6 | 238-877-9 | Not Available |

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

|                      |  |
|----------------------|--|
| Eye                  | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.                 |
| Inhalation           | If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.  |
| Skin                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor. |
| Ingestion            | For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.   |
| First aid facilities | None allocated.  |

### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

### 4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains or waterways.

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

Combustible. May evolve toxic gases (carbon/ nitrogen oxides, amines, hydrocarbons) when heated to decomposition.

**5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**5.4 Hazchem code**

2X  
2      Fine Water Spray.  
X      Wear liquid-tight chemical protective clothing and breathing apparatus. Contain spill and run-off.

---

**6. ACCIDENTAL RELEASE MEASURES**

---

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

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

---

**7. HANDLING AND STORAGE**

---

**7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

**7.3 Specific end uses**

No information provided.

---

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

---

**8.1 Control parameters****Exposure standards**

| Ingredient                                     | Reference      | TWA |                   | STEL |                   |
|--|----------------|-----|-------------------|------|-------------------|
|  |                | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Calcium carbonate (Limestone, Marble, Whiting) | SWA [AUS]      | --  | 10                | --   | --                |
| Talc (no asbestos fibres)                      | SWA [AUS]      | --  | 2.5               | --   | --                |
| Talc, (containing no asbestos fibres)          | SWA [Proposed] | --  | 2                 | --   | --                |

**Biological limits**

No biological limit values have been entered for this product.

**8.2 Exposure controls**

**Engineering controls**    Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

**PPE**

|                    |  |
|--------------------|--|
| <b>Eye / Face</b>  | Wear splash-proof goggles.   |
| <b>Hands</b>       | Wear Viton® or nitrile gloves.   |
| <b>Body</b>        | When using large quantities or where heavy contamination is likely, wear coveralls.  |
| <b>Respiratory</b> | Where an inhalation risk exists, wear a Type A (organic vapour) / Organic vapour respirator. If cutting or sanding with potential for dust generation, wear a Class P1 (particulate) / N95 respirator. |



---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

**9.1 Information on basic physical and chemical properties**

|                                  |                      |
|----------------------------------|----------------------|
| <b>Appearance</b>                | GREY SEMI-SOLID      |
| <b>Odour</b>                     | CHARACTERISTIC ODOUR |
| <b>Flammability</b>              | COMBUSTIBLE          |
| <b>Flash point</b>               | NOT AVAILABLE        |
| <b>Boiling point</b>             | NOT AVAILABLE        |
| <b>Melting point</b>             | NOT AVAILABLE        |
| <b>Evaporation rate</b>          | NOT AVAILABLE        |
| <b>pH</b>                        | NOT AVAILABLE        |
| <b>Vapour density</b>            | NOT AVAILABLE        |
| <b>Relative density</b>          | 1.85                 |
| <b>Solubility (water)</b>        | INSOLUBLE            |
| <b>Vapour pressure</b>           | NOT AVAILABLE        |
| <b>Upper explosion limit</b>     | NOT AVAILABLE        |
| <b>Lower explosion limit</b>     | NOT AVAILABLE        |
| <b>Partition coefficient</b>     | NOT AVAILABLE        |
| <b>Autoignition temperature</b>  | NOT AVAILABLE        |
| <b>Decomposition temperature</b> | NOT AVAILABLE        |
| <b>Viscosity</b>                 | NOT AVAILABLE        |
| <b>Explosive properties</b>      | NOT EXPLOSIVE        |
| <b>Oxidising properties</b>      | NON OXIDISING        |
| <b>Odour threshold</b>           | NOT AVAILABLE        |

---

**10. STABILITY AND REACTIVITY**

---

**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation is not expected to occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid) and alkalis (e.g. sodium hydroxide).

**10.6 Hazardous decomposition products**

May evolve toxic gases (carbon/ nitrogen oxides, amines, hydrocarbons) when heated to decomposition.

---

**11. TOXICOLOGICAL INFORMATION**

---

**11.1 Information on toxicological effects**

**PRODUCT NAME    FORCH EPOXY METAL STICKS 56G**

**Acute toxicity**                    Ingestion may result in burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

**Information available for the ingredients:**

| Ingredient  | Oral LD50          | Dermal LD50        | Inhalation LC50 |
|---|--------------------|--------------------|-----------------|
| REACTION PRODUCT:<br>BISPHENOL-A-(EPICHLORHYDRIN) EPOXY<br>RESIN (NUMBER AVERAGE MOLECULAR<br>WEIGHT ≤ 700) | > 15 g/kg (rat)    | > 23 g/kg (rabbit) | --              |
| 2,4,6-TRI(DIMETHYLAMINOMETHYL)PHENOL  | 1200 mg/kg (rat)   | 1280 mg/kg (rat)   | --              |
| CALCIUM CARBONATE   | > 2000 mg/kg (rat) | > 2000 mg/kg (rat) | > 3.0 mg/L      |
| TALC  | > 5000 mg/kg (rat) | --                 | --              |

**Skin**                                    Contact may result in irritation, redness, pain, rash, dermatitis and possible burns.

**Eye**                                    Causes burns. Contact may result in irritation, lacrimation, pain, redness and possible burns.

**Sensitisation**                      May cause an allergic skin reaction. This product is not classified as a respiratory sensitiser.

**Mutagenicity**                      Not classified as a mutagen.

**Carcinogenicity**                  Not classified as a carcinogen.

**Reproductive**                    Not classified as a reproductive toxin.

**STOT - single exposure**            Not classified as causing organ damage from single exposure.

**STOT - repeated exposure**        Not classified as causing organ damage from repeated exposure.

**Aspiration**                        This product does not present an aspiration hazard.

---

**12. ECOLOGICAL INFORMATION**

---

**12.1 Toxicity**

Harmful to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

Avoid contamination of drains and waterways.

---

**13. DISPOSAL CONSIDERATIONS**

---

**13.1 Waste treatment methods**

**Waste disposal**                    For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required). Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

**Legislation**                        Dispose of in accordance with relevant local legislation.

---

**14. TRANSPORT INFORMATION**

---

**CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**



**PRODUCT NAME    FORCH EPOXY METAL STICKS 56G**

|                                    | LAND TRANSPORT (ADG)  | SEA TRANSPORT (IMDG / IMO)  | AIR TRANSPORT (IATA / ICAO)   |
|------------------------------------|---|---|---|
| <b>14.1 UN Number</b>              | 3259  | 3259  | 3259  |
| <b>14.2 Proper Shipping Name</b>   | POLYAMINES, SOLID, CORROSIVE, N.O.S. (contains 2,4,6-tris(dimethylaminomethyl)phenol) | POLYAMINES, SOLID, CORROSIVE, N.O.S. (contains 2,4,6-tris(dimethylaminomethyl)phenol) | POLYAMINES, SOLID, CORROSIVE, N.O.S. (contains 2,4,6-tris(dimethylaminomethyl)phenol) |
| <b>14.3 Transport hazard class</b> | 8   | 8   | 8   |
| <b>14.4 Packing Group</b>          | II  | II  | II  |

**14.5 Environmental hazards**

No information provided.

**14.6 Special precautions for user**

Hazchem code        2X  
EmS                    F-A, S-B

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Poison schedule**        Classified as a Schedule 5 (S5) Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications**        Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

**Inventory listings**        **AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)**  
All components are listed on AIIC, or are exempt.

**16. OTHER INFORMATION**

**Additional information**        WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT: If sanding, cutting or welding dried or cured product, adverse health effects may be avoided by the use of appropriate engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (e.g. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

   EPOXY - PHENOXY RESINS AND POLYURETHANES: Where spray painting with two or more component epoxy resins or polyurethane paints is undertaken, an employee shall wear a air-line respirator, full length chemically resistant coveralls and gloves. Further, if an individual is to enter an enclosed booth where a vapour or gas curing process is occurring, an air-line respirator is required. Once cured, these resins are considered non toxic.

   EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

   PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:  
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

|                   |   |
|-------------------|---|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System  |
| EC No.            | EC No - European Community Number   |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System  |
| GTEPG             | Group Text Emergency Procedure Guide  |
| IARC              | International Agency for Research on Cancer   |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50              | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre  |
| OEL               | Occupational Exposure Limit   |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million   |
| STEL              | Short-Term Exposure Limit   |
| STOT-RE           | Specific target organ toxicity (repeated exposure)  |
| STOT-SE           | Specific target organ toxicity (single exposure)  |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia   |
| TLV               | Threshold Limit Value   |
| TWA               | Time Weighted Average   |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared by**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: [info@rmtglobal.com](mailto:info@rmtglobal.com)  
Web: [www.rmtglobal.com](http://www.rmtglobal.com)

**[ End of SDS ]**