



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name: SET XP - RESIN PART

Product code: SET XP-R (EN).

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

Bi-component system to obtain a final hardened, non-reactive material.

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

Registered company name: Simpson Strong - Tie.

Address: Winchester Road, Cardinal Point.Tamworth.B78 3HG.UK..

Telephone: +44 1827 255 600. Fax: +44 1827 255 616.

mail : safetyuk@strongtie.com

http://www.strongtie.eu

#### 1.4. Emergency telephone number : +1 800 535 5053.

Association/Organisation: Infotrac.

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2.

Eye irritation, Category 2.

Skin sensitisation, Category 1.

Germ cell mutagenicity, Category 2.

Carcinogenicity, Category 2.

Specific target organ toxicity (single exposure), Category 3.

Hazardous to the aquatic environment - Chronic hazard, Category 2.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

##### In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Possibility of skin sensitisation. The mixture may also irritate the skin and prolonged contact may aggravate this effect.

Possibility of irritation to the eyes, by inhalation and skin.

Possibility of category three mutagenic effects.

Possibility of category three carcinogenic effects.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

#### 2.2. Label elements

##### In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:



GHS07



GHS09



GHS08

Signal Word:

WARNING

Product identifiers:

## SETXP-R(EN) - SET XP - RESIN PART

EC \*608-164-0  
603-074-00-8

BISPHENOL F - EPICHLORHYDRIN RESIN WITH NUMBER AVERADGE MOLECULAR WEIGHT < 700  
REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGH  
700)

603-039-00-7  
BUTYL GLYCIDYL ETHER

## Additional labeling:

EUH205

Contains epoxy constituents. May produce an allergic reaction.

## Hazard statements:

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

H341

Suspected of causing genetic defects .

H351

Suspected of causing cancer .

H411

Toxic to aquatic life with long lasting effects.

## Precautionary statements - Prevention:

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P261

Avoid breathing vapours.

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

## Precautionary statements - Response:

P302 + P352

IF ON SKIN: Wash with plenty of soap and water.

P304 + P340

IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P308 + P313

IF exposed or concerned: Get medical advice/attention.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P332 + P313

If skin irritation occurs: Get medical advice/attention.

P333 + P313

If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313

If eye irritation persists: Get medical advice/attention.

P362

Take off contaminated clothing and wash before reuse.

P391

Collect spillage.

## Precautionary statements - Storage:

P403 + P233

Store in a well-ventilated place. Keep container tightly closed.

## Precautionary statements - Disposal:

P501

Dispose of contents/container at a disposal facility in accordance with local regulations.

**In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.**

## Hazard symbols:



Harmful



Dangerous for the environment

## Contains:

EC \*608-164-0

BISPHENOL F - EPICHLORHYDRIN RESIN WITH NUMBER AVERADGE MOLECULAR WEIGHT < 700

603-039-00-7

BUTYL GLYCIDYL ETHER

603-074-00-8

REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGH  
700)

## Risk phrase:

R 51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 43

May cause sensitisation by skin contact.

R 36/37/38

Irritating to eyes, respiratory system and skin.

R 40

Limited evidence of a carcinogenic effect.

R 68

Possible risk of irreversible effects.

Contains epoxy constituents. See information supplied by the manufacturer.

## Safety phrase:

S 36/37

Wear suitable protective clothing and gloves.

S 61

Avoid release to the environment. Refer to special instructions/Safety data sheets.

## SETXP-R(EN) - SET XP - RESIN PART

- S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S 39 Wear eye/face protection.  
 S 60 This material and its container must be disposed of as hazardous waste.  
 S 57 Use appropriate container to avoid environmental contamination.

**2.3. Other hazards**

No data available.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

**3.2. Mixtures****Composition :**

Identification	Name	Classification	%
CAS: 28064-14-4 EC: *608-164-0	BISPHENOL F - EPICHLORHYDRIN RESIN WITH NUMBER AVERAGE MOLECULAR WEIGHT < 700	GHS07, GHS09, Wng Xi,N H:315-317-319-335-411 R: 36/37/38-43-51/53	25 <= x % < 50
INDEX: 603-074-00-8 CAS: 25068-38-6 EC: 500-033-5	REACTION PRODUCT: BISPHENOL-A-(EPICHLORHYDRIN ) EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT < 700)	GHS07, GHS09, Wng Xi,N H:319-315-317-411 R: 36/38-43-51/53	25 <= x % < 50
CAS: 13463-67-7 EC: 236-675-5 REACH: 01-2119489379-17	TITANIUM DIOXIDE		2.5 <= x % < 10
INDEX: 603-039-00-7 CAS: 2426-08-6 EC: 219-376-4	BUTYL GLYCIDYL ETHER	GHS02, GHS08, GHS07, Wng Xn H:226-351-341-332-302-335-317 -412 R: 10-37-40.C3-43-52/53-68-20/22	1 <= x % < 2.5

**SECTION 4: FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures****In the event of exposure by inhalation:**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

**In the event of splashes or contact with eyes:**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin:**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital

**In the event of swallowing:**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Seek medical attention immediately, showing the label.

**4.2. Most important symptoms and effects, both acute and delayed**

No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

## SECTION 5: FIREFIGHTING MEASURES

Non-flammable.

### 5.1. Extinguishing media

#### Suitable methods of extinction

In the event of a fire, use:

- dry chemical agents
- sprayed water or water mist
- foam
- powder
- carbon dioxide (CO<sub>2</sub>)

#### Unsuitable methods of extinction

In the event of a fire, do not use:

- water jet

### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 and 8.

#### For non fire-fighters

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

#### For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

### 6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

No data available.

## SECTION 7: HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

#### Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

#### Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations

Avoid inhaling vapors.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions

In all cases, recover emissions at source

Avoid skin and eye contact with this mixture.

Avoid exposure - obtain special instructions before use.

#### Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.

#### Storage

Keep the container tightly closed in a dry, well-ventilated place

#### Packaging

Always keep in packaging made of an identical material to the original

#### 7.3. Specific end use(s)

No data available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

N/A

### 8.1. Control parameters

#### Occupational exposure limits:

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
13463-67-7	10 mg/m3	-	-	-	-
2426-08-6	3 ppm	-	-	-	-

- France (INRS - ED984:2007 and French Order of 30/06/2004):

CAS	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP No.:
13463-67-7	-	10	-	-	-	-
2426-08-6	25	135	-	-	C3.M3	-

- Switzerland (SUVA 2009):

CAS	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Temps:	RSB:
13463-67-7	3a	-	-	-	-	-
2426-08-6	135	25	270	50	4x15	RS

- UK / WEL (Workplace exposure limits, EH40/2005, 2007):

CAS	TWA:	STEL:	Ceiling:	Definition:	Criteria:
13463-67-7	10 mg/m3	-	-	-	T1

### 8.2. Exposure controls

#### Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

## SETXP-R(EN) - SET XP - RESIN PART

- Butyl Rubber (Isobutylene-isoprene copolymer)
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties:

- Impervious gloves in accordance with standard EN374

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing

Suitable type of protective clothing:

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

Avoid breathing vapours

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387:

- A1 (Brown)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****General information:**

Physical state:	fluid liquid
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**Important health, safety and environmental information:**

pH of the substance or preparation:	not relevant.
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The pH is impossible to measure or its value is not relevant.

Flash Point Interval:	PE > 100°C.
Vapour pressure:	not relevant.
Density:	> 1
Water solubility:	Insoluble.

**9.2. Other information**

No data available.

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid:

- heat

**10.5. Incompatible materials**

Keep away from:

- strong acids
- alkalis
- oxidising agents
- amines

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.

May cause an allergic reaction by skin contact.

Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and a respiratory tract sensitiser as well as an irritant.

Constituents with a low molecular weight irritate the eyes, mucous membranes and the skin

Repeated contact with the skin may cause irritation and hypersensitisation, possibly in combination with other epoxide compounds.

Suspected human carcinogen.

Cause for concern owing to the possibility that it may induce heritable mutations in the germ cells of humans.

**Mixture**

No toxicological data available for the mixture.

**Respiratory or skin sensitisation:**

Contains epoxy compounds. May cause an allergic reaction.

**Monograph(s) from the IARC (International Agency for Research on Cancer):**

CAS 13463-67-7 : CIRC Groupe 2B : L'agent est peut-être cancérigène pour l'homme.

**SECTION 12: ECOLOGICAL INFORMATION**

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity****Substances**

No aquatic toxicity data available for the substances.

**Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**German regulations concerning the classification of hazards for water (WGK):**

WGK 2 (VwVwS vom 27/07/2005, KBws): Hazardous for water.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste:**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging:**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14: TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2011 - IMDG 2010 - ICAO/IATA 2011).

Classification:



Pollutants to the aquatic environment:



UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(bisphenol f - epichlorhydrin resin with number average molecular weight < 700, reaction product: bisphenol-a-(epichlorhydrin) epoxy resin (number average molecular weight < 700))

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 601	E1	3	E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	9	-	III	5 L	F-A,S-F	274 335	E1			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	9	-	III	964	450 L	964	450 L	A97 A158	E1	
	9	-	III	Y964	30 kg G	-	-	A97 A158	E1	

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

N/A

**- German regulations concerning the classification of hazards for water (WGK):**

Germany: WGK 2 (VwVwS vom 27/07/2005, KBws)

**15.2. Chemical safety assessment**

No data available.

**SECTION 16: OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Title for H, EUH and R indications mentioned in section 3:**

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects .
H351	Suspected of causing cancer .
H411	Toxic to aquatic life with long lasting effects.



H412	Harmful to aquatic life with long lasting effects.
R 10	Flammable.
R 20/22	Harmful by inhalation and if swallowed.
R 36/37/38	Irritating to eyes, respiratory system and skin.
R 36/38	Irritating to eyes and skin.
R 37	Irritating to respiratory system.
R 40.C3	Limited evidence of a carcinogenic effect.
R 43	May cause sensitisation by skin contact.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 68	Possible risk of irreversible effects.

**Abbreviations:**

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Wassergefährdungsklasse (Water Hazard Class).