

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 03/04/2015

Reviewed on 03/04/2015

### \* 1 Identification

- **Product identifier**
- **Trade name:** CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel
- **Product number:** CM-2070 Part B & CF-2070 Part B Fast Gel
- **Relevant identified uses of the substance or mixture and uses advised against**  
Part B of Epoxy Resin Compound
- **Product description** Epoxy Resin Curative
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Champion Fiberglass, Inc.  
6400 Spring Stuebner Rd.  
Spring, TX 77389  
Phone: 281.655.8900  
Fax: 281.257.2523  
www.championfiberglass.com
- **Emergency telephone number:** 281.655.8900

### \* 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 1A            H350 May cause cancer.  
Repr. 2            H361 Suspected of damaging fertility or the unborn child.  
STOT RE 1        H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.



GHS05 Corrosion

Skin Corr. 1B     H314 Causes severe skin burns and eye damage.  
Eye Dam. 1        H318 Causes serious eye damage.



GHS07

Acute Tox. 4        H302 Harmful if swallowed.  
Acute Tox. 4        H312 Harmful in contact with skin.  
Skin Sens. 1        H317 May cause an allergic skin reaction.  
STOT SE 3         H335 May cause respiratory irritation.  
  
H227 Combustible liquid.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel****· Hazard pictograms**

GHS05 GHS07 GHS08

**· Signal word** Danger**· Hazard-determining components of labeling:**

2-piperazin-1-ylethylamine

Proprietary

Bisphenol A

Proprietary

Proprietary

**· Hazard statements**

Combustible liquid.

Harmful if swallowed or in contact with skin.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

May cause cancer.

Suspected of damaging fertility or the unborn child.

May cause respiratory irritation.

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

Harmful to aquatic life with long lasting effects.

**· Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.

Do not breathe dusts or mists.

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection.

Wear protective gloves.

Wear protective gloves / protective clothing.

Wear eye protection / face protection.

Avoid release to the environment.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Obtain special instructions before use.

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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

If swallowed: Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

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

Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical advice/attention.

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

If swallowed: Rinse mouth. Do NOT induce vomiting.

Get medical advice/attention if you feel unwell.

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Take off contaminated clothing and wash it before reuse.

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Store locked up.

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

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

33 percent of the mixture consists of ingredient(s) of unknown toxicity.

· **Classification system:**· **NFPA ratings (scale 0 - 4)**· **HMS-ratings (scale 0 - 4)**

HEALTH	3	Health = *3
FIRE	2	Fire = 2
REACTIVITY	0	Reactivity = 0

· **Other hazards** None known\* **3 Composition/information on ingredients**· **Chemical characterization: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous Components:**

CAS: 140-31-8 RTECS: TK 8050000	2-piperazin-1-ylethylamine ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; H227; Aquatic Chronic 3, H412	25-50%
RTECS: VV 7330000	Proprietary ⚠ Carc. 1A, H350; STOT RE 1, H372; ⚠ Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320	15-35%
CAS: 80-05-7 RTECS: SL 6300000	Bisphenol A ⚠ Repr. 2, H361; ⚠ Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; STOT SE 3, H335	15-35%
	Proprietary ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	5-10%
	Proprietary ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320; H401	2-12%
	Proprietary ⚠ Carc. 1B, H350	≤ 2.5%
	Proprietary ⚠ Carc. 2, H351; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	≤ 2.5%

\* **4 First-aid measures**· **Description of first aid measures**· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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- **After inhalation:** In case of unconsciousness, place patient securely on side position for transportation.
- **After skin contact:**  
May cause burn in case of contact with product at high temperature. Remove contaminated clothing and footwear and dispose of safely. Wash affected area with soap and water. Seek medical attention if skin irritation, swelling or redness develops or persists. If applicable, when using high pressure equipment, injection of product can occur. If high pressure injuries occur, immediately seek professional medical attention. For minor thermal burns, hold the burned area under cold running water for at least five minutes or until the pain subsides. However, body hypothermia must be avoided. Do not put ice on the burn. Remove non-sticking garments carefully. DO NOT attempt to remove portions of clothing glued to burnt skin but cut around them. Seek immediate medical attention in all cases of serious burns. Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
May cause burn in case of contact with product at high temperature. If hot product is splashed into the eye, it should be cooled immediately to dissipate heat, under cold running water. Immediately obtain specialist medical assessment and treatment for the casualty.  
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Immediately call a doctor.  
Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

\* **5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:**  
Water spray or water fog. May cause frothing which can be violent, especially if sprayed into containers of hot or burning liquid.
- **Special hazards arising from the substance or mixture**  
Combustible liquid. Vapors can travel to a source of ignition and flash back.  
Explosive mixtures may occur at temperatures at or above flashpoint.  
If product is incinerated it may release toxic fumes including: Oxides of Carbon, Nitrogen (NO<sub>x</sub>) Titanium and Silicon.
- **Advice for firefighters**
- **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

\* **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Treat any fumes as toxic.  
Do not breathe vapor.  
Keep away from ignition sources  
Keep people at a distance and stay upwind.  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel****· Methods and material for containment and cleaning up:**

- After material has been absorbed, area may be flushed with water or wet-brushed to clean.
- Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
- Use neutralizing agent.
- Dispose contaminated material as waste according to section 13.
- Ensure adequate ventilation.
- Dispose of the collected material according to regulations.

**· Reference to other sections**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

**\* 7 Handling and storage****· Handling:****· Precautions for safe handling**

- Avoid contact with skin, eyes and clothing
- Keep away from sources of ignition.
- Use personal protection equipment as outlined in section 8.
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- Prevent formation of aerosols.
- Keep receptacles tightly sealed.

**· Information about protection against explosions and fires:**

- Protect from heat.
- Keep protective respiratory device available.

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

- Store away from acids, bases, strong oxidizing agents, strong reducing agents, Air, Hydrogen Fluoride, Oxygen difluoride and Chlorine trifluoride.

**· Storage:****· Requirements to be met by storerooms and receptacles:** No special requirements.**· Information about storage in one common storage facility:** Not required.**· Further information about storage conditions:**

- Keep receptacle tightly sealed.
- Protect from heat and direct sunlight.

**· Specific end use(s)** No further relevant information available.**\* 8 Exposure controls/personal protection****· Additional information about design of technical systems:** No further data; see section 7.**· Control parameters**

- All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

**· Components with occupational exposure limits:**

Proprietary	
PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m <sup>3</sup> *as respirable fraction

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<b>Proprietary</b>	
PEL	Long-term value: 240 mg/m <sup>3</sup> , 50 ppm Skin
REL	Long-term value: 24 mg/m <sup>3</sup> , 5 ppm Skin
TLV	Long-term value: 97 mg/m <sup>3</sup> , 20 ppm BEI
<b>Proprietary</b>	
ACGIH-TLV	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 4 E mg/m <sup>3</sup>
OSHA-PEL	Short-term value: 5 mg/m <sup>3</sup> Long-term value: 4 E mg/m <sup>3</sup>
<b>Proprietary</b>	
PEL	Long-term value: 15* mg/m <sup>3</sup> *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 10 mg/m <sup>3</sup> withdrawn from NIC

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Suitable respiratory protective device recommended.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:** Tightly sealed goggles

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel****\* 9 Physical and chemical properties****· Information on basic physical and chemical properties****· General Information****· Appearance:**

**Form:** Viscous liquid  
**Color:** Creamy off-white

**· Odor:** Mercaptan**· Odor threshold:** Not determined.**· pH-value:** Not determined.**· Change in condition****Melting point/Melting range:** Not determined.**Boiling point/Boiling range:** 220 °C (428 °F)**· Flash point:** 77 °C (171 °F)**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** 315 °C (599 °F)**· Decomposition temperature:** Not determined.**· Auto igniting:** Product is not selfigniting.**· Danger of explosion:** Not determined.**· Explosion limits:****Lower:** 2.1 Vol %**Upper:** 10.5 Vol %**· Vapor pressure @ 20 °C (68 °F):** 0.1 hPa**· Density @ 20 °C (68 °F):** 1.06 g/cm<sup>3</sup> (8.846 lbs/gal)**· Relative density** Not determined.**· Vapour density** Not determined.**· Evaporation rate** Not determined.**· Solubility in / Miscibility with****Water:** Not miscible or difficult to mix.**· Partition coefficient (n-octanol/water):** Not determined.**· Viscosity:****Dynamic:** Not determined.**Kinematic:** Not determined.**· Solvent content:****Organic solvents:** 0.5 %**VOC content:** 0.5 %**Solids content:** 59.5 %**· Other information** No further relevant information available.**\* 10 Stability and reactivity****· Reactivity** No further relevant information available.**· Chemical stability** Stable under normal conditions.**· Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel**

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**  
Acids, bases, strong oxidizing agents, strong reducing agents, Ammonia, Air, Hydrogen Fluoride, Oxygen difluoride and Chlorine trifluoride.
- **Hazardous decomposition products:** Oxides of Carbon, Nitrogen (NOx) Titanium and Silicon.

**\*11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**140-31-8 2-piperazin-1-ylethylamine**

Oral	LD50	2140 mg/kg (rat)
Dermal	LD50	880 mg/kg (rabbit)
Inhalative	LC50/4 h	100 mg/l (Trout)

**80-05-7 Bisphenol A**

Oral	LD50	3250 mg/kg (rat)
Dermal	LD50	3000 mg/kg (rabbit)

**Proprietary**

Oral	LD50	>2000 mg/kg (rat)
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**Proprietary**

Oral	LD50	470 mg/kg (rat)
Dermal	LD50	220 mg/kg (rab)
Inhalative	LC50/4 h	2174.91 mg/l (rat)

**Proprietary**

Oral	LD50	10000 mg/kg (rat)
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**Proprietary**

Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:**  
Strong caustic effect on skin and mucous membranes.  
May cause an allergic skin reaction.
- **on the eye:**  
Strong irritant with the danger of severe eye injury.  
Corrosive effect.  
Causes serious eye irritation.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Corrosive  
Irritant  
Carcinogenic.

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel**

Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
  - Group 1 - Carcinogenic to humans
  - Group 2A - Probably carcinogenic to humans
  - Group 2B - Possibly carcinogenic to humans
  - Group 3 - Not classifiable as to its carcinogenicity to humans
  - Group 4 - Probably not carcinogenic to humans

Proprietary	1
Proprietary	3
Proprietary	3
Proprietary	2B
· <b>NTP (National Toxicology Program)</b>	
Proprietary	K
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	
None of the ingredients are listed.	

**\*12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

<b>140-31-8 2-piperazin-1-ylethylamine</b>	
EC50	32 mg/l (daphnia)
<b>Proprietary</b>	
EC50	>100 mg/l (Green algae)
<b>Proprietary</b>	
EC50	1815 mg/l (Water flea)
<b>Proprietary</b>	
EC50	>1000 mg/l (Water flea)

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel****\*13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Dispose of as unused product.

**14 Transport information**

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1760
- **UN proper shipping name**
- **DOT** Corrosive liquids, n.o.s. (N-Aminoethylpiperazine)
- **ADR** UN1760 Corrosive liquids, n.o.s. (N-Aminoethylpiperazine)
- **IMDG, IATA** CORROSIVE LIQUID, N.O.S. (N-AMINOETHYLPIPERAZINE)
- **Transport hazard class(es)**
- **DOT**



- **Class** 8 Corrosive substances
- **Label** 8

- **ADR**



- **Class** 8 (C9) Corrosive substances
- **Label** 8

- **IMDG, IATA**



- **Class** 8 Corrosive substances
- **Label** 8
- **Packing group**
- **DOT, ADR, IMDG, IATA** III
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Warning: Corrosive substances
- **Danger code (Kemler):** 80
- **EMS Number:** F-A,S-B
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel****· Transport/Additional information:****· DOT****· Quantity limitations**

On passenger aircraft/rail: 5 L

On cargo aircraft only: 60 L

**· ADR****· Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**· IMDG****· Limited quantities (LQ)**

5L

**· Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**· UN "Model Regulation":**UN1760, Corrosive liquids, n.o.s. (N-Aminoethylpiperazine), 8,  
III**\* 15 Regulatory information****· Safety, health and environmental regulations/legislation specific for the substance or mixture****· Sara****· Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

**· Section 313 (Specific toxic chemical listings):**

80-05-7 Bisphenol A

Proprietary

**· TSCA (Toxic Substances Control Act):**

140-31-8 2-piperazin-1-ylethylamine

Proprietary

80-05-7 Bisphenol A

Proprietary

Proprietary

Proprietary

Proprietary

Proprietary

**· Proposition 65****· Chemicals known to cause cancer:**

Proprietary

Proprietary

**· Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**· Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

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**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel**· **Carcinogenic categories**

· <b>EPA (Environmental Protection Agency)</b>	
Proprietary	NL
· <b>TLV (Threshold Limit Value established by ACGIH)</b>	
Proprietary	A2
Proprietary	A3
Proprietary	A4
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	
Proprietary	
Proprietary	

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS05 GHS07 GHS08

· **Signal word** Danger· **Hazard-determining components of labeling:**

2-piperazin-1-ylethylamine

Proprietary

Bisphenol A

Proprietary

Proprietary

· **Hazard statements**

Combustible liquid.

Harmful if swallowed or in contact with skin.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

May cause cancer.

Suspected of damaging fertility or the unborn child.

May cause respiratory irritation.

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.

Do not breathe dusts or mists.

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection.

Wear protective gloves.

Wear protective gloves / protective clothing.

Wear eye protection / face protection.

Avoid release to the environment.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Obtain special instructions before use.

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

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

If swallowed: Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

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

Wash contaminated clothing before reuse.

IF exposed or concerned: Get medical advice/attention.

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

If swallowed: Rinse mouth. Do NOT induce vomiting.

Get medical advice/attention if you feel unwell.

In case of fire: Use for extinction: CO2, powder or water spray.

Take off contaminated clothing and wash it before reuse.

Store locked up.

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

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **State Right to Know**

CAS: 140-31-8 RTECS: TK 8050000	2-piperazin-1-ylethylamine ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; H227; Aquatic Chronic 3, H412	25-50%
RTECS: VV 7330000	Proprietary ⚠ Carc. 1A, H350; STOT RE 1, H372; ⚠ Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320	15-35%
CAS: 80-05-7 RTECS: SL 6300000	Bisphenol A ⚠ Repr. 2, H361; ⚠ Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; STOT SE 3, H335	15-35%
	Proprietary ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	5-10%
	Proprietary	2-12%
	Proprietary ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320; H401	2-12%
All ingredients are listed.		

· **Information about limitation of use:**

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 03/04/2015 / -

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 03/04/2015

Reviewed on 03/04/2015

**Trade name: CF 2070 FG Part B - Epoxy Adhesive Part B Fast Gel**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
: Flammable liquids, Hazard Category 4  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
Carc. 1A: Carcinogenicity, Hazard Category 1A  
Carc. 1B: Carcinogenicity, Hazard Category 1B  
Carc. 2: Carcinogenicity, Hazard Category 2  
Repr. 2: Reproductive toxicity, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1  
: Hazardous to the aquatic environment - Acute Hazard, Category 2  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

**\* Data compared to the previous version altered.**

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