

1. Product and company identification

Product identifier

Trade name: CEP PREPREGS
CEP-G3, CEP-G12, CEP-F7500, CEP-F7544
CEP-G3 and CEP-G12: Prepreg made of carbon fabric with a cyanate/epoxy resin
CEP-F7500 and CEP-F7544: Prepreg made of fibreglass fabric with a cyanate/epoxy resin

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

General use: Carbon or fiberglass / epoxy prepreg.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name:	Airtech International, Inc. 5700 Skylab Road Huntington Beach, CA 92647 E-mail: airtech@airtechintl.com Website: www.airtechonline.com Telephone: +1 714.899.8100 Dept. responsible for information: Telephone: +1 714.899.8100 E-mail: airtech@airtechintl.com	Airtech Europe Sarl Zone industrielle Haneboesch L-4562 Differdange Luxembourg Website: www.airtech.lu Telephone: +352 582.282 Dept. responsible for information: Telephone: +352 582.282 E-mail: sales@airtech.lu
	Tygavac Advanced Materials Ltd. The Causeway Broadway Business Park Chadderton, Oldham OL9 9XD United Kingdom Website: www.tygavac.co.uk Telephone: +44 161.947.1610 Dept. responsible for information: Telephone: +44 161.947.1610 E-mail: sales@tygavac.co.uk	Airtech Asia Ltd. No. 161 of Anyuan Rd Chagugang County Wuqing District 301721, Tianjin, P.R. China Website: www.airtech.asia Telephone: +86 22 8862 9800 Telefax: +86 22 8862 9900 Dept. responsible for information: Telephone: +86 22 8862 9800 E-mail: airtech.asia@airtechasia.com.cn

Emergency phone number

CHEMTREC EMERGENCY PHONE:
Within USA/Canada: 1-(800)424-9300
International: +1 703-741-5970

2. Hazards identification

Emergency overview

Appearance: Form: solid
Color: black
Odor: characteristic
Classification: Skin Irritation - Category 2; Eye Irritation - Category 2A; Sensitization - skin - Category 1; Aquatic toxicity - chronic - Category 3;

Hazard symbols:



Signal word:

Warning

Hazard statements:

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful to aquatic life with long lasting effects.

Precautionary statements:

Avoid breathing vapors.
Wash hands and face thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection.
IF ON SKIN: Wash with plenty of water/soap.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see ' First aid ' on this label).
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization:

carbon fabric impregnated with a cyanate/epoxy resin system

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 28064-14-4	Bisphenol-F- epichlorhydrine resin	< 20 %	Skin Irritation - Category 2. Eye Irritation - Category 2A. Sensitization - skin - Category 1. Aquatic toxicity - chronic - Category 2.

4. First aid measures

In case of inhalation: Move victim to fresh air. Seek medical treatment in case of troubles.

Following skin contact: Thoroughly wash skin with soap and water. Take off contaminated clothing and wash it before reuse. Seek medical treatment in case of troubles.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth immediately and drink plenty of water. Seek medical attention.

Most important symptoms/effects, acute and delayed

May cause an allergic skin reaction. Causes skin irritation. Causes serious eye irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature:

No data available

Suitable extinguishing media:

Water spray jet, foam, dry chemical powder.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

In case of fire may be liberated: nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Seal off endangered area. Cool endangered containers with water spray and, if possible, remove from danger zone. Use a water fog to control vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions:

Provide adequate ventilation. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Do not inhale substance. Wear appropriate protective equipment. Keep unprotected people away.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. If necessary notify appropriate authorities.

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

7. Handling and storage

Handling

Advices on safe handling:

Provide adequate ventilation. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Do not inhale substance. Wear appropriate protective equipment.

When using do not eat, drink or smoke. Wash hands before breaks and after work. Eye wash facility must be provided.

Precautions against fire and explosion:

Take standard precautions to prevent fire.

Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place. Do not drop, drag or bang the container. Protect against direct sunlight. Keep away from incompatible materials. Refrigerated storage is recommended to maintain product quality.

Hints on joint storage: Incompatible materials: Acids, bases, amines.
Keep away from food and drinks.

8. Exposure controls / personal protection

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

- Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection: Wear suitable protective clothing.
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.
Glove material: Latex.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Respiratory protection: When vapors form, use respiratory protection.
In the case of the formation of dust:
Use filter type A-P2 according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:

Avoid generation of dust. Do not inhale substance. Avoid contact with skin, eyes, and clothing. Take off contaminated clothing and wash it before reuse. Eye wash facility must be provided. Wash hands before breaks and after work. When using do not eat, drink or smoke.

9. Physical and chemical properties

Information on basic physical and chemical properties

- Appearance: Form: solid
Color: black
- Odor: characteristic
- Odor threshold: No data available
- pH value: No data available
- Melting point/freezing point: No data available
- Initial boiling point and boiling range: No data available
- Flash point/flash point range: No data available
- Evaporation rate: No data available
- Flammability: No data available
- Explosion limits: No data available
- Vapor pressure: No data available
- Vapor density: No data available
- Density: 1.58 g/cm³
- Water solubility: insoluble
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: No data available
- Thermal decomposition: > 199.4 °F

Additional information: No data available

10. Stability and reactivity

Reactivity: See section: Possibility of hazardous reactions

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

Conditions to avoid: Keep away from heat.

Incompatible materials: Acids, bases, amines

Hazardous decomposition products:
Nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Thermal decomposition: > 199.4 °F

11. Toxicological information

Toxicological tests

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irritation - Category 2 = Causes skin irritation.

Serious eye damage/irritation: Eye Irritation - Category 2A = Causes serious eye irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Sensitization - skin - Category 1 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Other information: Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Incinerate as hazardous waste according to applicable local, state, and federal regulations.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Do not remove label until container is thoroughly cleaned.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - U.S. Federal Regulations

Bisphenol-F-epichlorhydrine resin: TSCA Inventory: listed; UVCB; EPA flags XU
TSCA HPVC: not listed

National regulations - Great Britain

Hazchem-Code: -

16. Other information

Text for labeling: Contains < 20 % Bisphenol-F-epichlorhydrine resin. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Reason of change:

Changes in section 1: Company/undertaking identification

Department issuing data sheet

Contact person:

see section 1: Dept. responsible for information

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programs for employees.

As the conditions and methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. All statements or suggestions are made without warranty, expressed or implied, regarding accuracy of information, the hazards connected with the use of the product or the results to be obtained from the use thereof.