



**Industrial Laminates Norplex, Inc.**

665 Lybrand St, P.O. Box 977  
Postville, IA 52162 – 0977  
Customer Service Phone: 563-864-7328  
General Phone Number: 563-864-7321  
Customer Service Fax: 563-864-4231  
Email: info@norplex.com

**1. Identification:**

**Product Name:** CF80MC, CF83T, CF86T

**Other/Generic Names:** Carbon fiber panels

**Recommended Use:** Manufacturing

**Manufacturer:** Norplex-Micarta  
665 Lybrand St  
Postville, IA 52162  
563-864-7321

**2. Hazard(s) Identification:**

Note: The product in its solid state under normal conditions, does not present an inhalation, ingestion or skin hazard. However, operations resulting in fume or particulate formation such as sawing, grinding and machining may present health hazards. The following classification applies in those cases.

**GHS Hazard Classification**

Skin irritation:	Category 2
Eye Irritation:	Category 2B
Respiratory Sensitizer:	Category 1



**Hazard Pictogram(s):**

**Signal Word:** **Danger**

**Hazard Statement(s):**

Causes skin irritation  
Causes eye irritation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Precautionary Statement(s):**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Wash thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
[In case of inadequate ventilation] wear respiratory protection  
If on skin: Wash with plenty of water  
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing  
If in eyes: Rinse cautiously with water for several minutes. Remove contact



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lenses, if present and easy to do. Continue rinsing  
If skin irritation occurs: Get medical advice/attention  
If eye irritation persists: Get medical advice/attention  
If experiencing respiratory symptoms: Call a poison center/doctor  
Take off contaminated clothing and wash it before reuse  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**3. Composition/Information On Ingredients:**

Component	CAS Number	Weight %
Carbon	7440-44-0	Proprietary
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	Proprietary
Tall oil fatty acids, reaction product with Tetraethylene pentamine	68953-36-6	Proprietary
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-	2855-13-2	Proprietary
Alkyl (C12-14) glycidyl ether	68609-97-2	Proprietary
Tetraethylenepentamine	112-57-2	Proprietary

**4. First Aid Measures:**

First-aid measures after inhalation: Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen.

Seek medical attention.

First-aid measures after skin contact: Wash skin with soap and water. Seek medical advice if irritation develops or persists.

First-aid measures after eye contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

First-aid measures after ingestion: Seek medical advice.

Symptoms/injuries after inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes eye irritation.

Symptoms/injuries after ingestion: May be harmful if swallowed.

**5. Fire Fighting Measures:**

**Fire-fighting media:** Use extinguishing media appropriate for surrounding fire.

**Fire-fighting instruction:** Firefighters should wear full protective gear.



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**6. Accidental Release Measures:**

**General measures:** Avoid generation of dust.

**Leak/Spill:** Collect spillage.

**7. Handling and Storage:**

**Handling:** Do not breathe dusts. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage:** Store in a dry cool ventilated place.

**8. Exposure Controls/Personal Protection:**

<b>Carbon (7440-44-00)</b>		
Not applicable		
<b>Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer (25085-99-8)</b>		
Not applicable		
<b>Alkyl (C12-14) glycidyl ether (68609-97-2)</b>		
Not applicable		
<b>Tall oil fatty acids, reaction product with Tetraethylene pentamine (68953-36-6)</b>		
Not applicable		
<b>Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)</b>		
Not applicable		
<b>Tetraethylenepentamine (112-57-2)</b>		
AIHA	WEEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

Appropriate engineering controls:

Local exhaust and general ventilation must be adequate to meet exposure standards.

Hand protection:

In case of repeated or prolonged contact wear gloves.

Eye protection:

Wear safety glasses.

Skin and body protection:

Wear suitable protective clothing.

Respiratory protection:

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

**9. Physical and Chemical Properties:**

**Physical State:** Solid

**Appearance:** Panel

**Color:** Depends on pigment

**Odor:** Odorless

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**10. Stability and Reactivity:**

**Chemical Stability:** The product is stable at normal handling and storage conditions.

**Possibility of hazardous reactions:** Will not occur.

**Conditions to avoid:** Avoid dust generation.

**11. Toxicological Information:**

<b>Carbon (7440-44-0)</b>	
LD50 oral rat	> 10000 mg/kg

<b>Alkyl (C12-14) glycidyl ether (68609-97-2)</b>	
LD50 oral rat	17100 mg/kg
LD50 dermal rabbit	> 3987 mg/kg
ATE US (oral)	17100 mg/kg

<b>Tall oil fatty acids, reaction product with Tetraethylene pentamine (68953-36-6)</b>	
ATE US (oral)	500 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight

<b>Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- (2855-13-2)</b>	
LD50 oral rat	1030 mg/kg
ATE US (oral)	1030 mg/kg

<b>Tetraethylenepentamine (112-57-2)</b>	
LD50 oral rat	3990 mg/kg
LD50 dermal rabbit	660 µl/kg
ATE US (oral)	2100 mg/kg
ATE US (dermal)	660 mg/kg

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes eye irritation.

Respiratory or skin sensitization:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**12. Ecological Information:**

No data to report.

**13. Disposal Considerations:**

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



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**14. Transport Information:**

Not regulated for transport as a dangerous good.

**15. Regulatory Information:**

All components are listed or exempt from the TSCA inventory.

**16. Other information:**

Product Name Additions Level: 1

Date of Last Revision: December 14, 2022

**END OF SAFETY DATA SHEET**