

1. IDENTIFICATION OF THE SUBSTANCE

TRADE NAME: **WrapFill 811™ Curing Agent - Black.**

DESCRIPTION: WrapFill 811™ is a unique blend of liquid polymers and proprietary curing agents that can displace water from surfaces to make a permanent bond. The formulation is free of solvents to ensure maximum performance. Kevlar™* fibers are integrated for stiffness and viscosity management to assure application even in adverse conditions.
Curing Agent - black, is a paste black which is mixed in equal quantities with the epoxy white. The result of this mixture is a GRAY color. This system is not regulated by the US. Transportation Agency, USDOT, AITA and IMO. * Kevlar is a registered trademark of DuPont.

RECOMMENDED USE: Coating component

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2. HAZARDS IDENTIFICATION

Does not contain resinous carcinogens

3. COMPOSITION

COMPONENT	Nº CAS	CONTENTS %w/w	HAZARD DATA
Liquid polymer (trade secret)	Propietary	Propietary	PEL: Not Established TLV: Not Established
Propietary	Propietary	5 – 8%	TWA: 5pp, 8hr
Poly(terephthaloylchloride/p-phenylenediamine)	26125-61-1	0 – 5%	AEL*2 respirable fibers/cc TLV: Not Established PEL: Not Established
Ingredients classified as hazardous/dangerous (Does not contain resinous carcinogens)			

4. FIRST AID MEASURES

SKIN CONTACT: Remove from skin using soap and water. Remove contaminated shoes and clothing. Call a physician.

EYE CONTACT: Immediately flush eyes with fresh water holding lids apart for 15 minutes, washing within one minute is essential to achieve maximum effectiveness.

INHALATION: Immediately move to fresh air. If breathing is difficult give oxygen. Call a physician.

INGESTION: Do not induce vomiting. Prevent aspiration (breathing) liquid into lungs. Get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, spray, foam and dry chemical.

DO NOT USE: Flammable materials.

PROTECTIVE EQUIPMENT: Wear full protective equipment including self-contained breathing apparatus.

OTHER: -.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Dispose of as in section 8.

ENVIRONMENTAL PRECAUTIONS: Not applicable.

CLEANING METHOD: Scrape or wipe up spilled material. Place in trash container. Avoid contact with skin and eyes - wear recommended protective clothing.

7. HANDLING & STORAGE

HANDLING: Impervious gloves should wear long sleeved shirts, coveralls be worn to reduce skin contact.

STORAGE: Store in a cool, dry area in closed containers.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

EXPOSURE LIMITS: Not required unless used in large volumes.

RESPIRATORY PROTECTION: Not normally required

SKIN PROTECTION: Impervious gloves advised, wear long sleeved shirts, coveralls as required preventing skin contact.

EYE PROTECTION: Chemical resistant goggles advised if eye contact possible.

OTHER: --

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Black Paste

ODOR:

Characteristic Mercaptan

SPECIFIC GRAVITY:	0.95	COLOR:	black
% VOLATILE BY VOLUME:	0.5% max	VAPOR PRESSURE AND DENSITY:	Not applicable
SOLUBILITY IN WATER:	Negligible	FLASH POINT:	> 250° F COC
FLASH POINT:	> 250° F COC	BOILING POINT:	Not applicable
BOILING POINT:	Not applicable	EXPLOSION LIMITS:	Not applicable
EXPLOSION LIMITS:	Not applicable	DENSITY AT 20°C:	7.9lbs/gallon

10. STABILITY & REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will not occur
INCOMPATIBLE MATERIALS:	None known
CONDITIONS TO AVOID:	Mixing large volumes with epoxy based materials such as WrapFill 811™ epoxy base - white. Expect a significant exotherm within 3 - 5 minutes at 70 F
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO2, unspecified others.

11. TOXICOLOGICAL INFORMATION

SKIN AND EYE CONTACT:	Si, irritating, posible sensitizer.
INGESTION:	Considered slightly toxic.
INHALATION:	Overexposure to mist or vapor is extremely unlikely however may cause irritation of respiratory tract.

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

Landfill in accordance with local regulations

14. TRANSPORT INFORMATION

IATA, IMO & USDOT:	Not Regulated
MAIN RISK:	None
SUBSIDIARY RISK:	None
UN №:	None
CLASS:	None
PACKING GROUP:	None
PROPER SHIPPING NAME:	None

15. REGULATORY INFORMATION

Not available.