

\*\*\*\*\***MATERIAL SAFETY DATA SHEET**\*\*\*\*\*

IDENTITY: 811K, Super X Convoy, Light Gray  
 CHEMICAL NAME/FAMILY: Epoxy Coating

C-P# 86250-22

**SECTION I - GENERAL INFORMATION**

MANUFACTURER: Kelly Technical Coatings, 1445 South 15<sup>th</sup> Street, P.O. Box 3726, Louisville, KY 40201-3726  
 PHONE: Day (502) 636-2561 EMERGENCY PHONE: Day (502) 636-2561  
 Night (502) 363-9721 Night (502) 424-9300  
 DATE PREPARED: July 1999

**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT	CAS #	PERCENT	OSHA PEL/ACGIH TLV (PPM)
*Aromatic Naphtha Light	64742-95-6	14.2	TLV/PEL: 100ppm
Polyamine	**	7.9	Not established
Microcrystalline Silica	14808-60-7	7.4	TLV/PEL: .1ppm

\* Reportable under section 313 of the Super Fund Amendments and Reauthorization Act (SARA) of 1986

\*\* The raw material considered to be a trade secret. The necessary information pertaining to hazards, clean up procedures, physical and chemical characteristics have been provided within

\*\*\*This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

**SECTION III - PHYSICAL DATA**

HMIS INFORMATION: Health: 02 Flammability: 2 Reactivity: 0  
 LOWER EXPLOSION LEVEL: 1.0-1.2  
 BOILING RANGE: HIGH: 335.0°F LOW: 306.0°F  
 VAPOR PRESSURE: 3.00 MMHG@ 68°F  
 VAPOR DENSITY: Heavier than air  
 EVAPORATION RATE: Slower than butyl acetate  
 WEIGHT PER GALLON: 13.3  
 VOLATILITY (by wgt):14.18  
 VOLATILITY (by vol): 25.86  
 V O C: (lbs/gal) 1.89 (gm/L) 226.80

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flammability Classification: OSHA-Class II  
 DOT- combustible liquid um 1263  
 Lowest Flashpoint T.C.C.: 110.0 °F  
 Lower Explosion Level (LEL): 1.0%  
 Extinguishing Media: (yes) –foam (no)-alcohol foam (yes)-CO2 (yes)-dry chemical (yes)-water fog  
 Unusual Fire And Explosion Hazards- flammable vapors may form explosive mixtures with air  
 Special Fire Fighting Procedures- avoid solid stream of water, use fog for cooling

**SECTION V – HEALTH HAZARD DATA**

Crystalline silica is listed as a known or potential carcinogen by the national toxicology program (NTP) and the international agency for research on cancer (IARC).

EFFECTS OF OVEREXPOSURE: Liquid may cause eye burns. Prolonged skin contact with liquid may produce irritation. Eye, nose and throat irritation may result from exposure to vapor. Narcotic effects occur at higher concentrations of vapor.

PRIMARY ROUTE OF ENTRY:  DERMAL  INHALATION  INGESTION

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Irrigate immediately and thoroughly with water at least 15 minutes and get medical attention.

SKIN CONTACT: Flush immediately and thoroughly with water

INHALATION: Remove from exposure, treat symptomatically, and get medical attention

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: pre-existing respiratory, eye, and skin conditions.

**SECTION VI- REACTIVITY DATA**

STABILITY:  stable  unstable

HAZARDOUS POLYMERIZATION:  may occur  will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: as with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide.

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): oxidizing materials can cause a vigorous reaction.

**SECTION VII- SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: eliminate all ignition sources. Flush spill away with water spray. Small spills may be collected with absorbent material.

WASTE DISPOSAL METHOD: Mix with a compatible chemical which is less combustible and incinerate. Observe all federal, state, and local laws concerning health and pollution.

**SECTION VIII- SAFE HANDLING AND USE INFORMATION**

RESPIRATORY PROTECTION: a NIOSH-approved respirator for organic vapors should be worn if needed.

VENTILATION: Local and mechanical (general) recommended

PROTECTIVE GLOVES: recommended

EYE PROTECTION: safety glasses should be worn in any type of industrial operation

OTHER PROTECTIVE EQUIPMENT: safety shower and eye bath in work area

HYGENIC PRACTICES: remove paint from skin contact after exposure

**SECTION IX- SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: material is classified as a flammable liquid. Keep away from heat, sparks, and open flame. Keep container closed. Avoid eye contact, prolonged skin contact, and inhalation of high concentrations of vapor. Use with ventilation adequate to maintain vapor concentrations below the TLV of 50 ppm/

OTHER PRECAUTIONS: Hazardous product residue may remain after the product has been removed from its container. Do not reuse "empty" container without commercial cleaning or reconditioning. See also 29 code of federal regulation 1910.1000.

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KEY: NA = NOT APPLICABLE OR NOT AVAILABLE

ND = NOT DETERMINED

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**DISCLAIMER**

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\*\*\*\*\***MATERIAL SAFETY DATA SHEET**\*\*\*\*\*

IDENTITY: 820C, Super X Convoy Catalyst  
 CHEMICAL NAME/FAMILY: Epoxy Hardener

**SECTION I - GENERAL INFORMATION**

MANUFACTURER: Kelly Technical Coatings, 1445 South 15<sup>th</sup> Street, P.O. Box 3726, Louisville, KY 40201-3726  
 PHONE: Day (502) 636-2561 EMERGENCY PHONE: Day (502) 636-2561  
 Night (502) 363-9721 Night (502) 424-9300  
 DATE PREPARED: July 1999

**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT	CAS #	PERCENT	OSHA PEL/ACGIH TLV (PPM)
Polyamine	**	7.9	Not established

\* The raw material considered to be a trade secret. The necessary information pertaining to hazards, clean up procedures, physical and chemical characteristics have been provided within

\*\*\*This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

**SECTION III - PHYSICAL DATA**

HMS INFORMATION: Health: 02 Flammability: 0 Reactivity: 0  
 LOWER EXPLOSION LEVEL: 1.0-1.2  
 BOILING RANGE: HIGH: N/A LOW: N/A  
 VAPOR PRESSURE: N/A  
 VAPOR DENSITY: N/A  
 EVAPORATION RATE: N/A  
 WEIGHT PER GALLON: 8.3  
 V O C: (lbs/gal) 0.0 (gm/L) 0.0

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY CLASSIFICATION OSHA-CLASS III-B  
 DOT- combustible liquid UM 1263  
 LOWEST FLASHPOINT T.C.C. 214.0°F  
 LOWER EXPLOSION LEVEL (LEL): N/A  
 EXTINGUISHING MEDIA: (no) -foam (no)-alcohol foam (no)-CO2 (no)-dry chemical (no)-water fog (no)-other  
 UNUSUAL FIRE AND EXPLOSION HAZARDS- none  
 SPECIAL FIRE FIGHTING PROCEDURES- none

**SECTION V - HEALTH HAZARD DATA**

To the best of Kelly Technical's knowledge, this product does not contain any carcinogenic ingredients.

EFFECTS OF OVEREXPOSURE: none  
 PRIMARY ROUTE OF ENTRY:  DERMAL  INHALATION  INGESTION  
 EMERGENCY AND FIRST AID PROCEDURES: none  
 MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: pre-existing respiratory, eye, and skin conditions.

**SECTION VI- REACTIVITY DATA**

STABILITY:  stable  unstable  
 HAZARDOUS POLYMERIZATION:  may occur  will not occur  
 HAZARDOUS DECOMPOSITION PRODUCTS: none  
 CONDITIONS TO AVOID: none  
 INCOMPATIBILITY (MATERIALS TO AVOID): none

**SECTION VII- SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: none

WASTE DISPOSAL METHOD: none

**SECTION VIII- SAFE HANDLING AND USE INFORMATION**

RESPIRATORY PROTECTION: none

VENTILATION: none

PROTECTIVE GLOVES: none

EYE PROTECTION: none

OTHER PROTECTIVE EQUIPMENT: none

HYGENIC PRACTICES: remove paint from skin contact after exposure

**SECTION IX- SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: none

OTHER PRECAUTIONS: none

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\*\*\*\*\***MATERIAL SAFETY DATA SHEET**\*\*\*\*\*

IDENTITY: 811, Super X Convoy, Light Gray  
 CHEMICAL NAME/FAMILY: Epoxy Base

**SECTION I - GENERAL INFORMATION**

MANUFACTURER: Kelly Technical Coatings, 1445 South 15<sup>th</sup> Street, P.O. Box 3726, Louisville, KY 40201-3726  
 PHONE: Day (502) 636-2561 EMERGENCY PHONE: Day (502) 636-2561  
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INGREDIENT	CAS #	PERCENT	OSHA PEL/ACGIH TLV (PPM)
*Aromatic Naphtha Light	64742-95-6	10.3	TLV/PEL: 100ppm
Microcrystalline Silica	14808-60-7	9.9	TLV/PEL: .1ppm

\* Reportable under section 313 of the Super Fund Amendments and Reauthorization Act (SARA) of 1986

\*\*This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

**SECTION III - PHYSICAL DATA**

HMIS INFORMATION: Health: 03 Flammability: 2 Reactivity: 0  
 LOWER EXPLOSION LEVEL: 1.0-1.2  
 BOILING RANGE: HIGH: 335.0°F LOW: 306.0°F  
 VAPOR PRESSURE: 3.00 MMHG@ 68°F  
 VAPOR DENSITY: Heavier than air  
 EVAPORATION RATE: Slower than butyl acetate  
 WEIGHT PER GALLON: 14.8  
 VOLATILITY (by wgt):10.33  
 VOLATILITY (by vol): 21.02  
 V O C: (lbs/gal) 1.53 (gm/L) 183.60

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY CLASSIFICATION OSHA-CLASS III-B  
 DOT- combustible liquid UM 1263  
 LOWEST FLASHPOINT T.C.C. 214.0 DF  
 LOWER EXPLOSION LEVEL (LEL): 1.0%  
 EXTINGUISHING MEDIA: (yes) -foam (no)-alcohol foam (yes)-CO2 (yes)-dry chemical (yes)-water fog  
 UNUSUAL FIRE AND EXPLOSION HAZARDS- flammable vapors may form explosive mixtures with air  
 SPECIAL FIRE FIGHTING PROCEDURES- avoid solid stream of water, use fog for cooling

**SECTION V – HEALTH HAZARD DATA**

Crystalline silica is listed as a known or potential carcinogen by the national toxicology program (NTP) and the international agency for research on cancer (IARC).

EFFECTS OF OVEREXPOSURE: Liquid may cause eye burns. Prolonged skin contact with liquid may produce irritation. Eye, nose and throat irritation may result from exposure to vapor. Narcotic effects occur at higher concentrations of vapor.

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INHALATION: Remove from exposure, treat symptomatically, and get medical attention

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: pre-existing respiratory, eye, and skin conditions.

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STABILITY:  stable  unstable

HAZARDOUS POLYMERIZATION:  may occur  will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: as with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide.

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIALS TO AVOID): oxidizing materials can cause a vigorous reaction.

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