

SAFETY DATA SHEET

Product Name: Fusion Plus, WB Epoxy Primer Base

Product Code: 260

Date issued: 5/27/2015

SECTION 1 : IDENTIFICATION

Product Name Fusion Plus, WB Epoxy Primer Base
Product Code # 260
Identified Uses Protective Coating
Manufacturer: Kelley Technical Coatings
1445 South 15th Street
P.O. Box 3726
Louisville, Kentucky 40201-3726
Emergency Contact Number: Day: 502-636-2561 Night: 800-424-9300
Information Telephone Number: 502-636-2561

SECTION 2 : HAZARDS IDENTIFICATION

Acute Toxicity-Dermal 4
Eye Damage/Irritation 2a
Acute Toxicity - Inhalation 4

GHS Classification

GHS Label Elements

Hazard Symbols



Signal Word Warning

Hazard Statements

H312 Harmful in contact with skin
H319 Causes serious eye irritation
H332 Harmful if inhaled

Precautionary statements

Prevention

P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapor/spray.
P264 Wash hands and/or face thoroughly after handling.
P271 Use only outdoors or in well-ventilated area.

Response

P312 Call a poison center or doctor if you feel unwell.
P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage/ Disposal

P501 Dispose of contents/container in accordance with federal, state, provincial, and local regulations.

Other Hazards

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Contains: Crystalline Silica which has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.

SECTION 3 : COMPOSITION INFORMATION

SAFETY DATA SHEET

Product Name: Fusion Plus, WB Epoxy Primer Base

Product Code: 260

Date issued: 5/27/2015

Chemical Designation	CAS No.	% by Weight
titanium dioxide	13463-67-7	20 - 30%
alkyl phenol polyether	proprietary	20 - 30%
magnesium silicate	14807-96-6	20 - 30%
ethylene glycol propyl ether	2807-30-9	1 - 5%
cristobalite	14464-46-1	1 - 5%

SECTION 4 : FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance
Eyes:	Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.
Skin:	Wash affected area thoroughly with soap and water. If skin irritation persists, get immediate medical attention.
Inhalation:	Move to fresh air. Restore breathing. If breathing is difficult, get immediate medical attention.
Ingestion:	Do not induce vomiting – seek immediate medical attention.
Notes to Physician	Treat symptomatically

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards arising from the Chemical	Closed containers may rupture if exposed to fire or extreme heat.
Special protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment. Remove all sources of ignition.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Clean-up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
Other Information	None known

SECTION 7 : HANDLING & STORAGE

Handling:	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed. Keep out of the reach of children.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

HMIS is a Health, Flammability and Reactivity rating: **2*11**

HMIS CODE: **4** – SEVERE HAZARD, **3** – SERIOUS HAZARD, **2** – MODERATE HAZARD, **1** – SLIGHT HAZARD, **0** – MINIMAL HAZARD,
* – Chronic Hazard

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual conditions of use.

Exposure Limits

Hazardous Components	OSHA PEL	ACGIH TLV
titanium dioxide	15 mg/m ³	10 mg/m ³
alkyl phenol polyether	NA	NA
magnesium silicate	20 mppcf	2 mg/m ³ (R)
ethylene glycol propyl ether	NE	NE
cristobalite	250 mppcf/%SiO ₂ +5	.025 mg/m ³ (R)

NE = None established NA = Not available (C) = Ceiling limit (I) = Inhalable fraction (IFV) = Inhalable fraction and vapor STEL = Short term exposure limit (R) = Respirable fraction

SAFETY DATA SHEET

Product Name: Fusion Plus, WB Epoxy Primer Base

Product Code: 260

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Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eyes/Face:	Safety goggles or full face shield
Skin:	Protective gloves and impervious clothing.
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene Practices:	Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid	Odor threshold:	Not determined
Odor:	Little or no odor	VOC (g/L)	54.42
VOC lb/gal	0.45	VOC (g/L) less exempt	95.79
VOC (lb/gal) less exempt	0.80	Specific Gravity (g/L):	1.54
Relative Density (LB/GAL):	12.83		
Flash Point (F):	Greater than 201	Upper/lower flammability limits:	Not applicable
Flammability:	Not applicable	Decomposition temperature:	Not determined
Auto-ignition temperature:	Not applicable		
Evaporation rate :	Not available	Vapor Density :	Not available
Vapor Pressure (mmHg) :	Not available	Boiling Point Range (F):	Not available
Initial Boiling Point (F):	212	Melting Point (F):	Not determined
Freezing Point (F):	32	Viscosity	Not available
pH	Not available		
Solubility (ies):	Not determined		
Partition coefficient: n-octanol/water	Not determined		

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Prevent from freezing
Materials to Avoid:	No materials to be especially mentioned.
Hazardous Decomposition Products:	None under normal use.
Possibility of Hazardous Reactions:	None under normal conditions of use.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	LD50 Oral mg/kg (Rat)	LD50 Dermal mg/kg (Rabbit)	LC50 Inhalation mg/L (Rat, 4 hr.)
titanium dioxide	10,000	10,000	6.82
alkyl phenol polyether	>2,000	>2,000	NA
magnesium silicate	NA	NA	NA
ethylene glycol propyl ether	NA	NA	NA
crystalite	NA	NA	NA

Chronic Toxicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

Component	IARC	NTP	OSHA
titanium dioxide	2B – Possible Human Carcinogen	Not listed	Listed
crystalite	1 – Human carcinogen	Known Human Carcinogen	Listed

Per IARC Summary of Data Reported, Subsection 5.1: No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints.

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SECTION 12 : ECOLOGICAL INFORMATION

No ecological information available

SECTION 13 : DISPOSAL CONSIDERATION

Waste Disposal Method

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

SECTION 14 : TRANSPORT INFORMATION

REGULATION

DESCRIPTION

DOT

Not regulated

Proper Shipping Name

Hazard Class

UN-No

Packing Group

ICAO / IATA

Not regulated

IMDG/IMO

Not regulated

SECTION 15 : REGULATORY INFORMATION

US TSCA:

Yes – All components are listed or exempt

Federal Regulations

SARA 311/312 hazardous categorization

Acute Health Hazard	YES
Chronic Health Hazard	YES
Fire Hazard	NO
Sudden Release of Pressure Hazard	NO
Reactive Hazard	NO

SARA 313

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Designation	Cas No.	Weight %
ethylene glycol propyl ether	2807-30-9	< 5%

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

Chemical Designation	Cas No.	Weight %
ethylene glycol propyl ether	2807-30-9	1 - 5%

Any Target HAP listed in this section is not an OSHA Carcinogen unless listed as such in Section 11 under Chronic Toxicity.

State Regulations

California Proposition 65

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

SECTION 16 : OTHER INFORMATION

Date issued: 5/27/2015

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The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy himself that the product is entirely suitable for his purposes.

SAFETY DATA SHEET

Product Name: Water Base Epoxy Primer, Catalyst

Product Code: 260C

Date issued: 5/27/2015

SECTION 1 : IDENTIFICATION

Product Name Water Base Epoxy Primer, Catalyst

Product Code # 260C

Identified Uses Protective Coating

Manufacturer: Kelley Technical Coatings
1445 South 15th Street
P.O. Box 3726
Louisville, Kentucky 40201-3726

Emergency Contact Number: Day: 502-636-2561 Night: 800-424-9300

Information Telephone Number: 502-636-2561

SECTION 2 : HAZARDS IDENTIFICATION

Skin Sensitization 1
Eye Damage/Irritation 2a
Acute Toxicity - Inhalation 4

GHS Classification

GHS Label Elements

Hazard Symbols



Signal Word Warning

Hazard Statements

H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H332 Harmful if inhaled

Precautionary statements

Prevention

P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapor/spray.
P264 Wash hands and/or face thoroughly after handling.
P271 Use only outdoors or in well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.

Response

P312 Call a poison center or doctor if you feel unwell.
P363 Wash contaminated clothing and wash before reuse.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage/ Disposal

P501 Dispose of contents/container in accordance with federal, state, provincial, and local regulations.

Other Hazards

OSHA Regulatory Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SAFETY DATA SHEET

Product Name: Water Base Epoxy Primer, Catalyst

Product Code: 260C

Date issued: 5/27/2015

SECTION 3 : COMPOSITION INFORMATION

Chemical Designation	CAS No.	% by Weight
polyethylene polyamine adduct	proprietary	30 - 40%
ethylene glycol propyl ether	2807-30-9	20 - 30%
butoxy diethanol	112-34-5	10 - 20%

SECTION 4 : FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance
Eyes:	Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.
Skin:	Wash affected area thoroughly with soap and water. If skin irritation persists, get immediate medical attention.
Inhalation:	Move to fresh air. Restore breathing. If breathing is difficult, get immediate medical attention.
Ingestion:	Do not induce vomiting – seek immediate medical attention.
Notes to Physician	Treat symptomatically

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards arising from the Chemical	Closed containers may rupture if exposed to fire or extreme heat.
Special protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment. Remove all sources of ignition.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Methods for Clean-up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
Other Information	None known

SECTION 7 : HANDLING & STORAGE

Handling:	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.
Storage:	Keep container tightly closed. Keep out of the reach of children.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

HMIS is a Health, Flammability and Reactivity rating: **2*11**

HMIS CODE: **4** – SEVERE HAZARD, **3** – SERIOUS HAZARD, **2** – MODERATE HAZARD, **1** – SLIGHT HAZARD, **0** – MINIMAL HAZARD,
* – Chronic Hazard

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual conditions of use.

Exposure Limits

Hazardous Components	OSHA PEL	ACGIH TLV
polyethylene polyamine adduct	NA	NA
ethylene glycol propyl ether	NE	NE
butoxy diethanol	NE	10 ppm (IFV)

NE = None established NA = Not available (C) = Ceiling limit (I) = Inhalable fraction (IFV) = Inhalable fraction and vapor STEL = Short term exposure limit (R) = Respirable fraction

SAFETY DATA SHEET

Product Name: Water Base Epoxy Primer, Catalyst

Product Code: 260C

Date issued: 5/27/2015

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eyes/Face: Safety goggles or full face shield
Skin: Protective gloves and impervious clothing.
Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene Practices: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid		
Odor:	Little or no odor	Odor threshold:	Not determined
VOC lb/gal	2.75	VOC (g/L)	330.30
VOC (lb/gal) less exempt	4.40	VOC (g/L) less exempt	528.48
Relative Density (LB/GAL):	8.52	Specific Gravity (g/L):	1.02
Flash Point (F):	Greater than 201		
Flammability:	Not applicable	Upper/lower flammability limits:	Not applicable
Auto-ignition temperature:	Not applicable	Decomposition temperature:	Not determined
Evaporation rate :	Not available		
Vapor Pressure (mmHg) :	Not available	Vapor Density :	Not available
Initial Boiling Point (F):	212	Boiling Point Range (F):	Not available
Freezing Point (F):	32	Melting Point (F):	Not determined
pH	Not available	Viscosity	Not available
Solubility (ies):	Not determined		
Partition coefficient: n-octanol/water	Not determined		

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Prevent from freezing
Materials to Avoid: No materials to be especially mentioned.
Hazardous Decomposition Products: None under normal use.
Possibility of Hazardous Reactions: None under normal conditions of use.

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	LD50 Oral mg/kg (Rat)	LD50 Dermal mg/kg (Rabbit)	LC50 Inhalation mg/L (Rat, 4 hr.)
polyethylene polyamine adduct	NA	NA	NA
ethylene glycol propyl ether	NA	NA	NA
butoxy diethanol			

Chronic Toxicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

Component	IARC	NTP	OSHA
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SECTION 12 : ECOLOGICAL INFORMATION

No ecological information available

SAFETY DATA SHEET

Product Name: Water Base Epoxy Primer, Catalyst

Product Code: 260C

Date issued: 5/27/2015

SECTION 13 : DISPOSAL CONSIDERATION

Waste Disposal Method

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

SECTION 14 : TRANSPORT INFORMATION

REGULATION

DESCRIPTION

DOT

Not regulated

Proper Shipping Name

Hazard Class

UN-No

Packing Group

ICAO / IATA

Not regulated

IMDG/IMO

Not regulated

SECTION 15 : REGULATORY INFORMATION

US TSCA:

Yes – All components are listed or exempt

Federal Regulations

SARA 311/312 hazardous categorization

Acute Health Hazard	YES
Chronic Health Hazard	YES
Fire Hazard	NO
Sudden Release of Pressure Hazard	NO
Reactive Hazard	NO

SARA 313

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Designation	Cas No.	Weight %
ethylene glycol propyl ether	2807-30-9	20 - 30%

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Chemical Designation	Cas No.	Weight %
ethylene glycol propyl ether	2807-30-9	20 - 30%
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Date issued: 5/27/2015

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