

# SAFETY DATA SHEET

**Product Name:** Poxoprime II, Base

**Product Code:** 214

**Date issued:** 5/27/2015

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## SECTION 1 : IDENTIFICATION

Product Name Poxoprime II, Base

Product Code # 214

Identified Uses Protective Coating

Manufacturer: Kelley Technical Coatings  
1445 South 15<sup>th</sup> 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

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## SECTION 2 : HAZARDS IDENTIFICATION

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

### GHS Classification

### GHS Label Elements

#### Hazard Symbols



**Signal Word** Warning

#### Hazard Statements

H302 Harmful if swallowed  
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.  
P264 Wash hands and/or face thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in well-ventilated area.

##### Response

P312 Call a poison center or doctor if you feel unwell.  
P330 If swallowed, rinse mouth.  
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.

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## SECTION 3 : COMPOSITION INFORMATION

<b>Chemical Designation</b>	<b>CAS No.</b>	<b>% by Weight</b>
ground limestone	1317-65-3	40 - 50%
aliphatic polyamine	proprietary	10 - 20%
titanium dioxide	13463-67-7	5 - 10%
2-butoxyethanol	111-76-2	1 - 5%
ethylene glycol propyl ether	2807-30-9	1 - 5%
attapulgite clay	12174-11-7	1 - 5%
crystalline silica, (quartz)	14808-60-7	0.1 - 1%

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## 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

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## 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.

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## 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

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## 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.

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## 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**

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ground limestone	15 mg/m3 (R)	NE
aliphatic polyamine	NA	NA
titanium dioxide	15 mg/m3	10 mg/m3
2-butoxyethanol	50 ppm	20 ppm
ethylene glycol propyl ether	NE	NE
attapulgate clay	10 mg/m3/%Sio2 +2	0.025 mg/m3 (R)
crystalline silica, (quartz)	(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

**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	0.81	VOC (g/L)	97.49
VOC (lb/gal) less exempt	1.48	VOC (g/L) less exempt	178.09
Relative Density (LB/GAL):	12.43	Specific Gravity (g/L):	1.49
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.)
ground limestone	NA	NA	NA
aliphatic polyamine	10,000	10,000	6.82
titanium dioxide	470	220	2.2
2-butoxyethanol	NA	NA	NA
ethylene glycol propyl ether	500	NA	NA
attapulgate clay			
crystalline silica, (quartz)			

**Chronic Toxicity**

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

Component	IARC	NTP	OSHA
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titanium dioxide	2B – Possible Human Carcinogen	Not listed	Listed
crystalline silica, (quartz)	1 – Human carcinogen	Known Human Carcinogen	Listed

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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

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## **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.

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## **SECTION 14 : TRANSPORT INFORMATION**

<b>REGULATION</b>	<b>DESCRIPTION</b>
DOT	Not regulated
Proper Shipping Name	
Hazard Class	
UN-No	
Packing Group	
ICAO / IATA	Not regulated
IMDG/IMO	Not regulated

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## **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.

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

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

<b>Chemical Designation</b>	<b>Cas No.</b>	<b>Weight %</b>
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.

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**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.

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**SECTION 16 : OTHER INFORMATION**

Date issued: 5/27/2015      VER 04

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: Poxoprime II Catalyst**

**Product Code: 214 CATALYST**

**Date issued: 5/27/2015**

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## SECTION 1 : IDENTIFICATION

Product Name Poxoprime II Catalyst

Product Code # 214 CATALYST

Identified Uses Protective Coating

Manufacturer: Kelley Technical Coatings  
1445 South 15<sup>th</sup> 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

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## SECTION 2 : HAZARDS IDENTIFICATION

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

### GHS Classification

### GHS Label Elements

#### Hazard Symbols



Signal Word Warning

#### Hazard Statements

H302 Harmful if swallowed  
H312 Harmful in contact with skin  
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.  
P270 Do not eat, drink or smoke when using this product.  
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.  
P330 If swallowed, rinse mouth.  
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

# SAFETY DATA SHEET

**Product Name: Poxoprime II Catalyst**

**Product Code: 214 CATALYST**

**Date issued: 5/27/2015**

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 CFR1910.1200)

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**

<b>Chemical Designation</b>	<b>CAS No.</b>	<b>% by Weight</b>
bisphenol-a epoxy	25068-38-6	40 - 50%
ground limestone	1317-65-3	30 - 40%
2-butoxyethanol	111-76-2	10 - 20%
titanium dioxide	13463-67-7	1 - 5%
crystalline silica, (quartz)	14808-60-7	0.1 - 1%

## **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:	Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.
Storage:	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep in properly labeled containers.

## **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.

# SAFETY DATA SHEET

**Product Name: Poxoprime II Catalyst**

**Product Code: 214 CATALYST**

**Date issued: 5/27/2015**

## Exposure Limits

Hazardous Components	OSHA PEL	ACGIH TLV
bisphenol-a epoxy	NA	NA
ground limestone	15 mg/m3 (R)	NE
2-butoxyethanol	50 ppm	20 ppm
titanium dioxide	15 mg/m3	10 mg/m3
crystalline silica, (quartz)	10 mg/m3/%SiO <sub>2</sub> +2 (R)	0.025 mg/m3 (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

**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 operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Practices:** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using do not eat, drink or smoke.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	liquid		
Odor:	Solvent odor	Odor threshold:	Not determined
VOC lb/gal	1.35	VOC (g/L)	162.52
VOC (lb/gal) less exempt	1.35	VOC (g/L) less exempt	162.52
Relative Density (LB/GAL):	12.24	Specific Gravity (g/L):	1.47
Flash Point (F):	Greater than 201		
Flammability:	Not determined	Upper/lower flammability limits:	Not available
Auto-ignition temperature:	Not determined	Decomposition temperature:	Not determined
Evaporation rate :	Not available		
Vapor Pressure (mmHg) :	Not available	Vapor Density :	Not available
Initial Boiling Point (F):	Not available	Boiling Point Range (F):	Not available
Freezing Point (F):	Not determined	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. Hazardous polymerization does not occur.
Conditions to Avoid:	Keep away from open flames, hot surfaces, static electricity and sources of ignition.
Materials to Avoid:	Incompatible with strong acids and bases and strong oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition can lead to release of irritating gases and vapors.
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.)
bisphenol-a epoxy	1,000-5,000	>1,200	NA
ground limestone	NA	NA	NA
2-butoxyethanol	470	220	2.2
titanium dioxide	10,000	10,000	6.82
crystalline silica, (quartz)	500	NA	NA



# SAFETY DATA SHEET

**Product Name: Poxoprime II Catalyst**

**Product Code: 214 CATALYST**

**Date issued: 5/27/2015**

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## 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
crystalline silica, (quartz)	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

Contact the manufacturer for shipping information.

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

Chemical Designation	Cas No.	Weight %
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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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***SAFETY DATA SHEET***

**Product Name: Poxoprime II Catalyst**

**Product Code: 214 CATALYST**

**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.