SAFETY DATA SHEET

BICON X13 INHIBITOR COMPOUND

ISSUE NUMBER: **1**
ISSUE DATE: **30th September 2019**

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

BX13 Inhibitor compound

1.2 Relevant identified uses of the substances or mixture and uses advised against

Corrosion inhibitor in electrical joints / connections

1.3 Details of the supplier of the safety data sheet

Company information:	Prysmian Cables and Systems Ltd Oak Road, Wrexham Industrial Estate, Wrexham LL13 9PH
Telephone:	+44 (0)1978 66 2375
e-mail:	dave.lamb@prysmian.com

1.4 Emergency telephone number: +44 (0)1978 66 2216

Section 2: Hazards identification

This product is a mixture

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):
Acute aquatic toxicity (Category1), H400
Chronic aquatic toxicity (Category 1), H410

For the full text of H statements mentioned in this section, see section 16

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008 (EU "CLP" Regulation):

Pictogram:

Signal Word:

WARNING

Hazard Statement(s):

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s);

P273 Avoid release to the environment

P501 Dispose of contents / container to an approved waste disposal plant.

Supplementary hazard statements:

None

2.3 Other hazards

None

Section 3: Composition / information on ingredients

This product is a mixture

Chemical Name	CAS Number	EINECS / ELINCS	Classification	Concentration
Zinc powder	7440-66-6	231-175-3	Aquatic Acute 1; Aquatic Chronic 1; H410	50%

Section 4: First aid measures

4.1 Description of first aid measures

General information: Consult a physician. Show this data sheet to the doctor in attendance
Inhalation: Clear air passage. Seek medical help if respiratory difficulty persists.
Skin Contact: Remove contaminated and launder before re-use. Wash with skin cleanser followed by soap and water. If necessary, seek medical attention.
Ingestion: Wash out mouth immediately. Seek medical help
Eye Contact : Flush eyes with plenty of water until residual material is gone. Seek medical attention if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

No specific effects and/or symptoms have been reported or are known

4.3 Indication of any immediate medical attention and special treatment needed

Data not available

Section 5: Firefighting measures

5.1 Extinguishing media

Water mist, dry powders, carbon dioxide, alcohol foam, sand or earth. Do not use water jet

5.2 Special hazards arising from the substance or mixture

Zinc. Zinc oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus

5.4 Further information

Data not available

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent leakage or spillage. Prevent product from entering drains / surface water / ground water. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Scrape up bulk, wipe up remainder and cover surface with absorbent material (eg diatomaceous earth) to avoid slip hazard

6.4 Reference to other sections

See Section 13 for disposal information.

Section 7: Handling and storage

7.1 Precautions for safe handling

No special requirements. Use in a well ventilated area.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry location. Product has indefinite shelf life if stored in original container which is re-sealed after use.

7.3 Specific end use(s)

See Section 1.2

Section 8: Exposure controls / personal protection

8.1 Control parameters

No occupational exposure limits have been assigned to this material.

8.2 Exposure controls

Appropriate engineering controls:

Observe normal safety and hygiene standards Wear suitable overalls and gloves (nitrile or neoprene) and eye protection. Wash hands after use.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Grey semi-sold paste
Odour:	Faint petroleum
Odour threshold:	Data not available
pH:	not applicable
Melting point:	not applicable
Boiling point:	>316 ^{o}C
Flash point:	>220 ^{o}C
Evaporation rate:	Data not available
Flammability	
Upper/lower flammability or explosive limits	Upper limit 7%, lower limit 0.9%
Vapour pressure	Data not available
Vapour density	Date not available
Relative density	1.78 g/cm^3 @ 20^{o}C
Solubility in water:	Insoluble
Solubility in other ingredients:	Miscible with most organic solvents
Partition coefficient Octanol/water:	Data not available
Auto-ignition temperature	Above boiling point
Decomposition temperature	Data not available
Viscosity (dynamic):	Data not available
Explosion properties:	Data not available
Oxidising properties:	Not oxidising.

9.2 Other information

No additional data available

Section 10: Stability and reactivity

10.1 Reactivity

Not reactive to materials commonly used in the transportation, handling and storage of industrial materials.

10.2 Chemical stability

Stable under normal ambient conditions

10.3 Possibility of hazardous reactions

Data not available

10.4 Conditions to avoid

Powerful sources of ignition

10.5 Incompatible materials

Strong oxidising agents. Acids and bases.

10.6 Hazardous decomposition products

Smoke, airborne soot and metal oxides

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Data not available
Skin Corrosion / Irritation	Data not available
Eye Corrosion / Irritation	Data not available
Sensitisation Data	Data not available
Repeated dose toxicity	Data not available
Carcinogenicity	Data not available
Mutagenicity	Data not available
Toxicity for reproduction	Data not available

Section 12: Ecological information

12.1 Toxicity

Toxicity to fish	LC50 (Carp) - 450µg/l – 96h (based on zinc)
Toxicity to daphnia	LC50 (Water Flea) – 0.068 mg/l – 48h (based on zinc)

12.2 Persistence and biodegradability

Data not available

12.3 Bioaccumulative potential

Data not available

12.4 Mobility in soil

Data not available

12.5 Results of PBT and vPvB assessment

Data not available

12.6 Other adverse effects

Very toxic to aquatic life with long term effects

Section 13: Disposal considerations

13.1 Waste treatment methods

Product: Waste incineration with the approval of the responsible local authority.

Packaging: Dispose of as unused product

Section 14: Transport information

14.1 UN Number

UN3077

14.2 UN proper shipping name

Environmentally hazardous substance, solid, N.O.S. (Zinc powder (stabilised))

14.3 Transport hazard class(es)

Class 9

14.4 Packing group

Packing Group III.

14.5 Environmental hazards

Marine Pollutant

14.6 Special precautions for user

None identified

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC code

EHS mark required for single and combination packagings containing >5kg zinc

Section 15: Regulatory information

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation

15.1 Safety, health and environmental regulations specific for the substance or mixture

None applicable

15.2 Chemical safety assessment

A chemical safety assessment has not been undertaken for this mixture

Section 16: Other information

Full text of H Statements referred to in Sections 2 and 3:

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

This SDS is the first version of this SDS for this product.

This information is believed to be accurate and represents the best information available to the company at this time. This information is provided as a guide to the hazards and respective safety precautions relevant to this product. This SDS does not represent any guarantee of performance or specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein