SAFETY DATA SHEET

PRYSMIAN SOLDERING FLUX (CORALINE)

ISSUE DATE: 1st August 2022

Section 1 : Identification of substance

1.1 Commercial Name:	Prysmian Soldering Flux (Coraline) UFI 33SH-A6EA-5N0R-35N2
1.2 Type of product:	Soldering flux for electrical connections
1.3 Supplier:	Prysmian Cables and Systems, Components Unit
1.4 Address:	Oak Road, Wrexham Industrial Estate, Wrexham LL13 9PH
1.5 Telephone:	01978 66 2375
1.6 Fax:	01978 66 2410
1.7 Emergency Number:	01978 66 2222
1.8 E-Mail:	dave.lamb@prysmian.com

Section 2. Hazards identification

2.1 Classification of the substance or mixture

This product is a mixture

2.1.1 Classification according to regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302
Skin corrosion (Category 1B), H314
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410
STOT SE 3, H355: C ≥ 5%

For full text of H statements see Section 16

2.2 Label elements according to regulation (EC) No 1272/2008

Pictograms:

Signal word: Danger

Hazard statements:

H302	Harmful if swallowed
H314	Causes severe burns and eye damage
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements:

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in well-ventilated ares
P273	Avoid release to the environment

P280	Wear protective gloves / protective clothing / eye protection / face protection
P301+P330+P312+P331 –	IF SWALLOWED: Rinse mouth. Call a Poison Centre or doctor if you feel unwell. Do NOT induce vomiting.
P303+P361+P353 –	IF ON SKIN: (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P310+P340 -	IF INHALED: Immediately call a Poison Centre or doctor. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P363 -	Wash contaminated clothing before use
P391 -	Collect spillage. Hazardous to the aquatic environment.
P403+P233 -	Store in a well ventilated space. Keep container tightly closed
P405 -	Store locked up
P501-	Dispose of contents / container according to all local/regional/national/international regulations

Section 3 : Composition / information on ingredients

Chemical Name	REACH Registration Number	Index No	CAS No	EC No	Conc (% w/w)	Classification
Zinc chloride (Zinc chloride, fume)	01-211947231-44-xxxx	030-003-00-2	7646-85-7	231-592-0	10-15	Acute Tox 4 Skin Corr 1B Aquatic Acute 1 Aquatic Chronic 1 H302,H314,H400, H410 STOT SE 3 ; H335: C ≥ 5%

Section 4. First aid measures

4.1 Description of first aid measures

General information
If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor/physician in attendance,

Inhalation:	Move the exposed person to fresh air. Seek medical attention. If breathing is difficult give oxygen
Eye Contact:	Seek medical attention. Rinse immediately with plenty of water for 15 minutes.
Skin Contact:	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion:	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth with water (only if the person is conscious). Seek medical advice immediately and show this SDS or label.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe inflammation and may damage the cornea. Inhalation may cause shortness of breath. Ingestion may cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Provide general supportive measure and treat symptomatically. If swallowed seek medical attention immediately and show this SDS or label.

Section 5 : Firefighting measures

5.1 Extinguishing media:

Carbon dioxide, dry chemical or foam.

5.2 Special hazards arising from the substance or mixture:

Corrosive. Burning produces irritating toxic and obnoxious fumes.

5.3 Advice for firefighters:

Wear suitable respiratory apparatus when necessary

Section 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment. Evacuate personnel to a safe area. Advice for emergency responders: For personal protection see Section 8

6.2 Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up.

Stop leak if without risk. Absorb with inert absorbent material. Transfer to suitable labelled containers for disposal. Clean spillage area with plenty of water.

Section 7 : Handling and Storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the work area.

7.2 Conditions for safe storage including any incompatibilities

Keep in a cool, dry well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. . Store in original container.

7.3 Reference to other sections

For disposal see Section 13

Section 8 : Exposure Controls / Personal Protection

8.1 Control parameters (UK EH40 WEL- Workplace Exposure Limit)

8.1.1 Exposure limit values

Zinc chloride (Zinc chloride fume): WEL 8hour limit - 1mg/m^3

WEL 15 min limit – 2mg/m^3

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure the eyewash stations and safety showers are close to the workstation location.

8.2.2 Personal protective equipment

Wear chemical protective clothing

8.2.2.1 Eye and face protection:

Approved safety goggles required.

8.2.2.2 Skin protection:

Chemical resistant gloves (PVC)

Other skin protection:

Wear appropriate chemical resistant clothing.
Use as appropriate: Personal protective equipment for the body should be selected based on the task being performed and the risk involved should be approved by a specialist before handling this product.

8.2.2.3 Respiratory protection:

If necessary or if ventilation is inadequate wear self-contained breathing apparatus

8.2.2.4 Thermal hazards:

Wear appropriate thermal protective clothing when necessary.

8.2.3 Environmental exposure controls

Prevent further leakage or spillage if safe to do so.
Do not let product enter drains

Section 9 : Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Appearance	Solid
Colour	Amber
Odour	Characteristic
pH	No data available
Melting point	No data available
Freezing point	No data available
Evaporation rate	No data available
Flammability rate	No data available
Vapour flammability	No data available
Upper Explosive limit	No data available
Lower Explosive limit	No data available
Vapor pressure	No data available
Relative density	No data available
Fat solubility	No data available
Partition coefficient	No data available
Auto ignition temperature	No data available
Oxidising behaviour	No data available
Solubility	Slightly soluble in water

Section 10 : Stability and reactivity

10.1 Reactivity
No relevant information available

10.2 Chemical Stability
Stable under normal conditions

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
In the event of fire: See section 5.

Section 11 : Toxicological Information

11.1 Information on toxicological effects

Causes burns

11.1.3 Hazard Information

See Section 2

11.1.4 Toxicological information

Zinc Chloride:
Oral(Rat) LD50: 350mg/kg Oral(Mouse) LD50: 329 mg/kg

11.1.9 Delayed and immediate effects as well as chronic effects from short and long term exposure

No data is available for this product

Section 12 : Ecological Information

12.1 Toxicity

Zinc Chloride:

Daphnia EC50/48h: 2800 mg/l
Daphnia LC50/96h: 0.06791 mg/l
Rainbow trout LC50/96h: 0.066 mg/l

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
No data available

12.6 Other adverse effects
No data available

Section 13 : Disposal Considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material , runoff and contact with the soil, waterways, drains and sewers. Disposal of this product , and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Section 14 : Transport Information

Hazard Pictogram:

14.1 UN Number

UN1759

14.2 UN proper shipping name

Corrosive Solid, N.O.S
(Zinc Chloride, Zinc Chloride fume)

14.3 Transport hazard class(es)

ADR/RID: Class 8
IMDG: Class 8
IATA: Class 8

14.4 Packing Group: Packing Group III

14.5 Environmental Hazards

Environmental hazards:	Yes
Marine pollutant:	Yes

ADR/RID:	Hazard ID 80 Tunnel Category (E)
IMDG:	EmS Code F-A-S-B

IATA:

Packing Instruction (cargo)	856
Maximum Quantity	60 litres
Packing Instruction (passenger)	852
Maximum Quantity	5 litres

Section 15 : Regulatory Information

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

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

15.2 Chemical safety assessment

No Chemical safety Assessment has been carried out

Section 16 : Other information

Full text of Hazard Statements mentioned in Section 2:

Hazard statements:

H302	Harmful if swallowed
H314	Causes severe burns and eye damage
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

This SDS (version 3.0) is the third (CLP / GHS) 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