

Issue date: 03/12/2024

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

1.1. Product identifier

Conductive varnish.
UFI: RPR0-Y8JR-NP0R-JYC2

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

Component of medium voltage cable joints and terminations.

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

Prysmian Cavi e Sistemi Italia S.r.l.
Via Chiese 6
20126 – Milano
Italy

Telephone

+44 (0) 1978 66 2375

Email

sa.clpsd01gb@prysmiangroup.com

1.4. Emergency telephone number

Emergency telephone number

+44 (0)1978 66 2216

Poison Centre Information

Country	Organisation	Address	Contact No.
United Kingdom	National Poisons Information Service (Birmingham)	National Poisons Information Service, City Hospital, Dudley Road, B18 7QH, England	0344 892 0111*
Republic of Ireland	Poisons Information Centre of Ireland	National Poisons Information Centre, Beaumont Hospital, Beaumont Road, Dublin 9, Ireland	01 809 2166 01 837 9964*
France	French National Products and Composition Database (B.N.P.C.); French Poison and Toxicovigilance Centre Network	Centre Antipoison de Nancy, CHRU de Nancy, Hôpital Central, 29 av. de Lattre de Tassigny, 54000 NANCY, France	+33 3 83 85 21 92
Germany	BfR Bundesinstitut für Risikobewertung	Max-Dohrn-Str. 8-10, 10589 Berlin	+49 30 18412 0
Italy	Istituto Superiore di Sanità (ISS)	Viale Regina Elena 299, Rome, Italy	
Spain	Instituto Nacional de Toxicología y Ciencias Forenses (INTCF)	Calle José Echegaray 4, 28032 Las Rozas de Madrid, Madrid, Spain	+34 917689800

* For use by healthcare professionals only.

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):

Flammable Liquids	Hazard Category 3	H226
Eye Irritation	Hazard Category 2	H319
Acute Toxicity, Inhalation	Hazard Category 4	H332
STOT - Single Exposure	Hazard Category 3	H335 (Respiratory tract irritation)

For full text of hazard statements see Section 16.

2.2. Label elements

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

Signal Word:	Danger
GHS Pictogram	
Hazard Statement:	Flammable liquid and vapour. (H226) Causes serious eye irritation. (H319) Harmful if inhaled. (H332) May cause respiratory irritation. (H335)
Precautionary Statement (Prevention):	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Avoid breathing dust/fume/gas/mist/vapours/spray (P261) Wash hands thoroughly after handling (P264) Use only outdoors or in a well-ventilated area (P271) Wear protective gloves, protective clothing, eye protection and face protection (P280)
Precautionary Statement (Response):	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell (P301 + P312) IF ON SKIN (or hair) Immediately take off all contaminated clothing. Rinse skin with water / shower. (P303 + P351 + P353) IF INHALED: Remove person to fresh air and keep comfortable for breathing (P304 + P340) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. (P305 + P351 + P338)
Precautionary Statement (Disposal):	Dispose of contents/container in accordance with local regulations (P501)

2.3. Other hazards

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB. The mixture does not contain substances identified as having endocrine disrupting properties.

Section 3 Composition / information on ingredients

This product is a mixture.

Chemical Name	CAS Number	EC Number	REACH Registration Number	Hazard Class/ Category /Statement	Concentration (w/w%)
4-methylpentane-2-one	108-10-1	203-550-1	01-2119473980-30-XXXX	Flam.Liq. 2; H225 Acute.Tox. 4; H322 Eye Irrit. 2; H319 STOT SE 3; H370	60 - 100
Methanol	67-56-1	200-659-1	01-2119433307-44-XXXX	Flam.Liq. 2; H225 Acute.Tox. 3; H301 Acute.Tox. 3; H311 Acute.Tox. 3; H331 STOT SE 1; H370	< 1

Section 4 First aid measures

4.1. Description of first aid measures

Skin Contact: Rinse with water.

Eye Contact: Rinse with water. Remove contact lenses if present and easy to do so. Continue rinsing and get medical attention if discomfort continues.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing. Get medical attention. Place unconscious person in recovery position to ensure breathing can take place.

Ingestion: Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink but do not induce vomiting. Place unconscious person in recovery position to ensure breathing can take place. Keep person under observation and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed.

Irritating to eyes. A single exposure may cause headaches, exhaustion, and weakness.

4.3. Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

Section 5 Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide, dry powder or water mist.

Unsuitable extinguishing media: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Container may burst when heated due to excessive pressure build-up.

Flammable liquid and vapour. Vapours may be ignited by a spark, hot surface or ember.

Vapours may form explosive mixtures with air.

Decomposition may result in evolution of toxic gases / vapours.

5.3. Advice for firefighters

Cool containers exposed to flames with water. Prevent run-off water from entering water courses. Wear positive pressure self-contained breathing apparatus and appropriate protective clothing. Fire-fighters clothing should conform with European Standard EN469.

Section 6 Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non emergency personnel**

Wear protective clothing as described in Section 8. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames, or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate.

6.1.2. For emergency responders

Wear protective clothing as described in Section 8. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames, or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate.

6.2. Environmental precautions

Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Wear protective clothing as described in Section 8. Clear up spills immediately and dispose of waste safely.

Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Provide adequate ventilation.

Small spillages: Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely.

Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

See Section 13 for disposal information.

Section 7 Handling and storage

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not reuse empty containers. Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Store away from incompatible materials (see Section 10). Store locked up. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

7.3. Specific end use(s)

See Section 1.2

Section 8 Exposure controls / personal protection

8.1. Control parameters

DNEL

	Inhalation		Dermal
	Short term systematic effects, local effects	Long term local effects, systematic effects	Long term systematic effects
Workers	208 mg/m ³	83 mg/m ³	11.8 mg/m ³
General population	155.2 mg/m ³	14.7 mg/m ³	4.2mg/m ³

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

Observe any occupational exposure limits for the product or ingredients.

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

8.2.2. Individual protection measures

Eye protection:	Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin protection:	For users with sensitive skin, it is recommended that suitable protective gloves are worn. Wear appropriate clothing to prevent repeated or prolonged contact
Respiratory protection:	Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

8.2.3. Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Slightly viscous liquid
Colour:	Black
Odour:	Ketone
Odour threshold:	No data available
Melting point:	Not applicable (liquid)
Freezing point:	No data available
Boiling point:	116 °C
Flammability:	No data available
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Flash point:	14 °C (Closed cup)
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	Not applicable
Viscosity, kinematic:	No data available
Solubility:	Insoluble in water
Partition coefficient n-octanol/water: (Log K _{ow}):	No data available
Vapour pressure:	7 mbar at 20 °C
Vapour pressure at 50°C	No data available
Density:	No data available
Relative density:	No data available
Relative vapour density at 20°C	No data available
Particle characteristics	Does not contain nanomaterials

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

No additional information available.

9.2.2. Other safety characteristics

No additional information available.

Section 10 Stability and reactivity**10.1. Reactivity**

See other subsections of this section for details.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

May react strongly with oxidising agents.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials

Oxidising materials. Acids - oxidising.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

Section 11 Toxicological information**11.1. Information on toxicological effects**

Acute Toxicity:	Data not available
Skin corrosion/irritation:	Data not available
Serious eye damage/irritation:	Data not available
Sensitisation data:	Data not available
Germ cell mutagenicity	Data not available
Carcinogenicity	Data not available
Reproductive toxicity	Data not available
STOT-single exposure	Data not available
STOT-repeated exposure	Data not available
Aspiration hazard	Data not available

11.2. Information on other hazards

The mixture does not contain substances identified as having endocrine disrupting properties.

Section 12 Ecological information

12.1. Toxicity

Acute toxicity	Test	Species	Duration	Result
Toxicity to fish	LC50	<i>Onchorhynchus mykiss</i> (Rainbow trout)	96 hours	600 mg/L
Toxicity to aquatic invertebrates	EC50	<i>Daphnia magna</i>	48 hours	170 mg/L
Toxicity to aquatic plants	EC50	<i>Pseudokirchneriella subcapitata</i>	96 hours	400 mg/L

12.2. Persistence and degradability

The product is readily biodegradable.

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture does not contain any REACH registered substances that are assessed to be a PBT or a vPvB.

12.6. Endocrine disrupting properties

The mixture does not contain substances identified as having endocrine disrupting properties.

12.7. Other adverse effects

No data available

Section 13 Disposal considerations

13.1. Waste treatment methods

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

Section 14 Transport information**14.1. UN number or ID number**

UN1263

14.2. UN proper shipping name

PAINT RELATED MATERIAL.

14.3. Transport hazard class

Class 3

Hazard pictogram:

**14.4. Packing group**

Packing group III.

14.5. Environmental hazards

Not an environmentally hazardous marine pollutant.

14.6. Special precautions for user**ADR/RID**

Transport category:	3
Classification code:	F1
Hazard identification number:	30
Tunnel restriction code:	(D/E)

IMDG

EmS:	F-E, S-E
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Hazchem code:	3Y
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14.7. Maritime transport in bulk according to IMO instruments

No data available.

Section 15 Regulatory information

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

Labelling elements as classified under Regulation (EC) 1272/2008.

The Workplace exposure Limit given in Section 8 has been taken from the UK HSE document: EH40/2005 Workplace Exposure Limits as amended.

Additional relevant regulations:

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

15.1. Safety, health and environmental regulations/legislation 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**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.

This SDS (version 5.0) is the 5th 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.