Safe use instructions sheet

The REACH regulation No. 1907/2006 sets the communication of information for hazardous materials through the material safety data sheet (MSDS). Our product is considered as an article as per REACH. For this reason, it does not require a MSDS, in accordance with Article 31 of the regulation n° 1907/2006.
OMERIN has decided to deliver to customers the information for a safe handling and use of the product, thanks to the **Safe use instructions sheet**.

1. PRODUCT AND COMPANY IDENTIFICATION

Product identification: ***SILICABLE® Style 5335***

Product description: Insulated electric cable.

Company identification:

OMERIN SAS
Zone industrielle
63600 AMBERT
FRANCE

2. HAZARDS IDENTIFICATION

This product, supplied as wire, presents the following hazards:
- Nickel may cause sensitization by skin contact.

If dust is formed, the hazards identified are:
- Mineral fibre (glass fibre or silica fibre) may cause mechanical irritation (itching).

If dust or fumes are formed when processing or working the product (grinding, melting, brazing, welding…) the hazards identified are:
- Nickel is suspected of causing cancer.
- Nickel causes damage to organs through prolonged or repeated exposure.

Cuivre Nickelé 27% CuNi27 Nickel pur 99.2

Composite fibre : Guipage/Rubans/Tresse enduite

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture: Article

Identification of components:

1- Conductive parts:

2- Dominant insulation:

Components contributing to hazards:

Component name	Identification	Classification
Nickel	CAS : 7440-02-0	Skin Sens. 1, H317 (*) Carc. 2, H351 (*) STOT RE 1, H372 (*)
Mineral fibre : Glass fibre or Silica fibre	 CAS : 65997-17-3 or CAS : 60676-86-0	 Not classified Not classified

(*) *See Section 16 for the full text of the H statements declared above.*

The mineral fibres are not “breathable” as they are over 3 µm in diameter. Nevertheless, they may cause irritation of skin, eyes or respiratory system for sensitive individuals.

Nickel in solid form presents a low hazard for health and environment. In the finely divided form, the metal dust alloy can be hazardous. This can arise from grinding, melting, welding etc, when nickel fumes or dust may be given off and inhaled.

4. FIRST AID MEASURES

In case of contact with skin:
Wash under running water and soap and rinse thoroughly. Do not rub or scratch affected areas.

In case of contact with eyes:
Rinse opened eye for several minutes under running water. Do not rub or scratch eyes.

If swallowed:
Seek medical advice.

If inhaled:
Not specifically concerned during normal conditions of use. Get medical advice in case of inhalation of nickel fumes or dust when processing of the product.

5. FIREFIGHTING MEASURES

Extinguishing media:
Powder / Carbon dioxide (CO_2) / Foam / Water fog.

Extinguishing media not to be used for safety reasons:
None to our knowledge.

Special hazards arising from the exposure to combustion gases:
Some materials that make up this product are non-combustible. Although all effort has been made during the design of the product to reduce the risk of emission of fumes and the toxicity of gases released by the combustible parts, this product may release more or less toxic fumes and gases, in the event of fire. Exposure to these combustion gases or fumes may pose health risks.

Special protective equipment for firefighters:
Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Individual protective equipment:
No special measures required.

Environmental precautions:
No special measures required.

Clean-up / absorption method:
No special measures required.

7. HANDLING AND STORAGE

Handling:
Avoid prolonged contact with the skin: wear the protective equipment as indicated in the chapter 8. Prevent and minimize the dust formation.

Storage:
Store away from excessive humidity. Keep away from inclement weather and direct sunbeam. For a good preservation of the product, follow the advised storage conditions.

Specific end use:
Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limit:
None, in normal working conditions.

Special measures for reducing exposure:
Ensure adequate ventilation, especially in confined areas.

Individual protection:

- Respiratory protection: If dust or fumes are formed, wear respiratory protective equipment.
- Skin and hand protection: For some sensitive individuals, may cause a slight and brief irritation of skin or sensitization by skin contact. To prevent irritation or skin allergy, wear protective gloves for the hands, long-sleeved shirts and long pants.
- Eye protection: For some sensitive individuals, may cause a slight and brief irritation of ocular mucous membranes. To prevent irritation, wear safety glasses.
- Hygiene practices: Do not eat, drink or smoke while working. Wash hands prior to break periods and after handling the product. Keep away from foodstuffs and beverages. Avoid contact with eyes.

During any processing of the product (grinding, melting, brazing, welding…):
Hygiene standards and exposure limits may differ from country to country. Check those currently applying in your country and comply with regulations. Examples of exposure limits applying France are given below:

Component name	Indicative exposure limits	Type of value
Nickel	1 mg/m^3, (Ni) weighted average on 8 hours	VLEP

VLEP="Valeur Limite d'Exposition Professionnelle", sanitary limit value for exposure during one working day.

When dust or fumes are generated during the processing of the product, the above limits should not be exceeded at the workplace. Local exhaust ventilation should be used where necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.
Colour: Miscellaneous.
Odour: None.
Melting point: Not applicable.
Flash point: Not applicable.
Flammability: Auto-flammability of components > 400 °C or not applicable.
Explosive properties: This product is not explosive.
Relative density: Not applicable.
Solubility: Insoluble in water.

10. STABILITY AND REACTIVITY

Stability:
Stable in normal use and storage conditions, and in normally foreseeable usage conditions.

Materials to avoid:
No known during normal conditions of use.

Hazardous decomposition products:
None during normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:
Not concerned.

Local effects:
For some sensitive individuals, may cause slight and brief irritation of the skin and ocular mucous membranes.

Sensitization:
Nickel is likely to cause, among certain predisposed subjects, a sensitization reaction by cutaneous route.

Long term toxicity:
Continuous glass fibres and silica fibres are not concerned; they do not reach the lower respiratory tract because their diameter is greater than 3 µm.
Nickel compounds (fumes, dust, vapours and aerosols) cause damage to organs through prolonged or repeated exposure.

CMR risk (carcinogenicity, mutagenicity, toxicity for reproduction):
Prolonged exposure by inhalation to nickel compounds (fumes, dust, vapours and aerosols) gives a risk of cancer.

12. ECOLOGICAL INFORMATION

Toxicity: Not available.

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results on PBT and vPvB assessment: Not available.

Other adverse effects: No known effect.

13. DISPOSAL CONSIDERATIONS

Partially recyclable.

Product disposal information: Comply with local regulations.

Packaging disposal information: Comply with local regulations.

14. TRANSPORT INFORMATION

Transport is not restricted.

15. REGULATORY INFORMATION

This product is considered as an article and it has not to be listed in most countries.

16. OTHER INFORMATION

Full text of abbreviated H statements:
H317 May cause allergic skin reaction.
H351 Suspected of causing cancer.
H372 Cause damage to lungs through prolonged or repeated inhalation.

Full text of classification (GHS/CLP):

Skin Sens. 1	Skin sensitization – category 1
Carc. 2	Carcinogenicity – category 2
STOT RE 1	Specific target organ toxicity, repeated exposure – category 1

The product must be used and/or installed by qualified and trained personnel.

This instructions sheet complements the technical data sheets but does not supersede them.

The information given herein is based on the extent of our knowledge of the product on the publishing date. The information given herein is offered in good faith as accurate.

Moreover, users should be aware of the possible hazards incurred when a product is used for any purpose other than its intended use. In no way does it relieve the user from knowing and applying all texts governing his/her activity. It is the user's sole responsibility to take the necessary precautions associated with the use of the product. All of the regulatory provisions mentioned are provided to assist the end-user in fulfilling his/her obligations when using a danger product. This list must not be considered as exhaustive. It does not stop the user from making sure that he/she complies with the written obligations other than those previously cited and which rule the fact of keeping and using the product for which he/she is the sole responsible person.