

NON-HAZARDOUS SUBSTANCE

NON-DANGEROUS GOODS





1. PRODUCT DESCRIPTION

This cable material safety datasheet is applicable to:

- Overhead Conductors.
- Building Wires and Earthing Cables up-to & including 1kV.
- Low Voltage (LV) Cables up-to & including 3.3kV.
- Fire Survival (FS) Cables up-to & including 1kV.
- Medium Voltage (MV) Cables up-to & including 35kV.
- Specialised Cables (E.g. Photo Voltaic (PV) Cables, DRYLAM™ Cables, AIRBAG™ Cables etc.)

2. COMPOSITION INFORMATION

- Conductor: Copper, Aluminium.
- Insulation: Polyvinyl chloride (PVC), Cross-Linked Polyethylene (XLPE), Low Smoke Zero Halogen (LSZH).
- Armour: Aluminium Wire, Aluminium Tape, Galvanised Steel Wire, Galvanised Steel Tape.
- General Tapes (E. g. Polypropylene (PP) Tape, Polyester tape).
- Special Tapes (E.g. Glass Mica Tape, Semi-conductive Tape, Water Blocking Tape, Laminated (LAT) Tape etc.).
- Sheathing materials (E. g. Polyethylene (PE), Polyamide, Low Smoke Zero Halogen).
- Lead Sheath.

3. HAZARDS IDENTIFICATION

Based on available information, these materials are not classified as hazardous and can be handled using normal industrial hygiene. Wash hands with soap and water before taking food or at the end of works. Exposure to hot material may cause burns. Prolonged exposure to lead sheath can cause various health issues.

4. FIRST AID MEASURES

SKIN CONTACT:

If puncture wounds, cuts or irritation occurs, flush skin with running water and look for first-aid. If bleeding from puncture wound/cut doesn't stop or irritation is experienced, look for immediate medical assistance.

EYE CONTACT:

During eye contacts, wash out immediately with fresh water which is at room temperature with clean hands. In all cases of eye contamination, it is a sensible precaution to seek medical advice. If eye irritation persist for some time or eye gets reddish, look for immediate medical assistance.

INHALATION:

Not an expected route of exposure. However, if dust exposure occurs during cutting, remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient for most comfortable position and keep warm. Keep person at complete rest until fully recovered. Seek medical advice if effects persist.

INGESTION:

Not an expected route of exposure. However, if material is ingested, rinse mouth with fresh water. If swallowed, do NOT induce vomiting. Give a glass of fresh water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water and seek for medical advice.

NOTES TO PHYSICIAN:

Treat symptomatically.



5. FIRE-FIGHTING MEASURES

Cables are not flammable but will decompose in general fire ($>950^{\circ}\text{C}$) and may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder). If material is in service use foam or dry agents (carbon dioxide, dry chemical powder).



6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of dust if present. Collect for reuse or recycling.

7. HANDLING AND STORAGE

HANDLING:

Staffs who involves with direct or in-direct cable handling shall be trained in proper cable handling & transportation procedures. Direct eye contact or skin contact shall be avoided without any negligence. For better cable handling procedure, please refer OCI's General Product Handling Instructions.

STORAGE:

Cable storage shall be done in a cool, dry and well-ventilated place following all recommended safety measures. Cable & cable drums shall not be exposed to direct sunlight. Storage location shall also have adequate firefighting equipment and regular firefighting training shall be provided to staff placed at storage location.



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

All personals shall wear overalls, safety helmets, safety glasses, safety shoes and impervious gloves when working with cable handling, transportations & terminations.



9. PHYSICAL & CHEMICAL PROPERTIES

Appearance Form: Drums or coils or spools.

Colour: Black or another colour based on customer requirement.

Odour: No Odour.

10. STABILITY AND REACTIVITY

Chemical stability: Thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with recommendation.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

No adverse health effects expected if the product is handled in accordance with recommendation.

14. REGULATORY INFORMATION

Not applicable.

15. TRANSPORT INFORMATION

Cables are not classified as Dangerous Goods to transport by Road, Railways, Marine & Air. Suitable methods shall be used to fix the drums with platform to avoid drum movement during transportation.





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