



Induflex N.V. / Ottergemse steenweg Zuid 799 / B-9000 Gent. Belgium/+32-(0)9-221.13.94 / F:+32-(0)9-222.37.91

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Film-Foil Laminates, Sealable & Film-Foil-Film Laminates

PRODUCT LINE: LG: 508, 518, 528, 532, 539, 563, 579, 599, 609, 620, 622, 649, 654, 656, 664, 682, 926, 783, 1001, 1002, 1047, 1069, 1185, 1192, 4002, 4014, 4018, 7001, 7002, 7003, 7005, 7012, 7014, 9282, 9326

CHEMICAL FAMILY: Laminated Tapes

HMIS RATING: H 0 F 1 R 0

USE OF MATERIAL: Shielding tapes for cables

DATE ISSUED: 20-Apr-09

EMERGENCY PHONE: +32-(0)9-221.13.94 (Monday – Friday 8:30 am – 5 pm GMT +1)

CHEMTREC: 800-424-9300 (U.S. & Canada) (24 hours)  
703-527-3887 (International – call collect) (24 hours)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS /ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>EU Classification</u>
Copper	7440-50-2	231-159-6	50-90	NE	NE	NC according to 67/548/EEC
Aluminum	7429-90-5	231-072-3	<90	5 mg/m <sup>3</sup> (Resp.)	10 mg/m <sup>3</sup>	NC according to 67/548/EEC

Copper in Copper product only  
Aluminum in Aluminum product only

The Material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200 or EU directive 1999/45/EC, and do not present a health or environmental hazard according to directive 67/548/EC.

### 3. HAZARDS IDENTIFICATION

CASSIFICATION OF THE MATERIAL: None Regulated

LABELING REQUIREMENTS: NE

EFFECTS OF OVEREXPOSURE: None Known

INHALATION: Dust formed during mechanical usage may cause irritation.

EYE CONTACT: Dust formed during industrial operations may irritate eyes. Film has sharp edges, which may damage eyes. Follow proper PPE usage during handling.

SKIN CONTACT: Film has sharp edges, which may damage skin. Follow proper PPE usage during handling.

INGESTION: Not a likely route of entry.

OTHER: Electrical Insulator can induce the generation of static electricity.

CHRONIC: NA

#### 4. FIRST-AID MEASURES

INHALATION: Obtain medical attention if symptoms persist.

EYE CONTACT: Dust may irritate eyes. Sharp edges may cause cuts and irritation. Obtain medical attention if symptoms persist.

SKIN CONTACT: Dust may irritate skin. Sharp edges may cause cuts and irritation. Obtain medical attention if symptoms persist.

INGESTION: Not a likely route of exposure. Obtain medical attention if symptoms persist.

#### 5. FIRE-FIGHTING MEASURES

FLASH POINT: NA  
 AUTOIGNITION TEMPERATURE: NE  
 Flammable Limits: LEL NA UEL NA

EXTINGUISHING MEDIA:  X  Water Spray  X  Foam  X  CO<sub>2</sub>  
 X  Dry Chemical \_\_\_\_\_ Other –

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

#### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective equipment. Do not breathe dust. Eliminate sources of ignition. Avoid contact with skin and eyes, which may cause lacerations.

ENVIRONMENTAL PRECAUTIONS: Prevent from entering sewer system, surface water or soil.

CLEANING METHODS: Sweep or shovel spills into appropriate container for disposal.

#### 7. HANDLING AND STORAGE

HANDLING: Wear suitable protective equipment. (Refer to section 8) Wash hands with soap and water after handling.

STORAGE: Keep material in a temperature controlled room between 20-25 °C. The areas should be well ventilated and dry. The material is combustible. The material is guaranteed under these conditions for one year from shipment date for quality.

#### 8. ENGINEERING CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

If mechanical ventilation is absent, or inadequate to maintain exposure levels below those listed in Section 2, use PPE compliant to Directive 89/686/EEC with the appropriate CEN Standards. Apply a respiratory protection program in conformity with the country, state and local legislation.

VENTILATION

LOCAL:

Recommended with all industrial operations

GENERAL:

Recommended with all industrial operations

PERSONAL PROTECTION

HAND:

Cut resistant gloves

EYE:

Safety glasses with side shields

OTHER:

Proper clothing to minimize exposure lacerations. Gloves and clothes with long sleeves. Safety Shower/eyewash in the area if possible exposure to tissue

**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:

Roll of flexible material.

ODOR:

Characteristic

PHYSICAL STATE:

Solid

BOILING POINT:

NA

MELTING POINT:

≥85 ° C (≥185 °F) (melting point of Polyethylene substrate high for polyester substrate)

FREEZING POINT:

NA

FLASH POINT:

NA

WATER SOLUBILITY:

NA

VAPOR DENSITY:

NA

VAPOR PRESSURE:

NA

SPECIFIC GRAVITY:

(water = 1) NE

PARTITION COEFFICIENT:

NA

EVAPORATION RATE:

NA

RELATIVE DENSITY:

NA

VISCOSITY:

NA

AUTO-IGNITION TEMPERATURE:

NA

DECOMPOSITION TEMPERATURE:

NA

PH:

NA

FLAMMABILITY:

NA

**10. STABILITY AND REACTIVITY**

STABLE  X

UNSTABLE \_\_\_\_\_

MATERIALS TO AVOID:

None Known

HAZARDOUS POLYMERIZATION:

\_\_\_\_\_ May Occur  X  Does Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, oxides of nitrogen, and hydrocarbons can be generated during thermal decomposition and combustion. Decomposition of PVC substrate may generate hydrogen chloride and phosgene gas additionally.

**11. TOXICOLOGICAL INFORMATION**

NA

**12. ECOLOGICAL INFORMATION**

NA

### 13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES: None  
AFFECTING DISPOSAL:  
ENVIRONMENTAL TOXICITY DATA: NA  
WASTE DISPOSAL METHOD: Dispose of in accordance with applicable, federal, state, provincial, and local laws and regulations.

### 14. TRANSPORT INFORMATION

UN NUMBER: Non-Regulated  
UN PROPER SHIPPING NAME: Non-Regulated  
HAZARD CLASS (ES): Non-Regulated  
PACKING GROUP: Non-Regulated  
ENVIRONMENTAL HAZARDS: Non-Regulated

### 15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:  
Canadian (DSL/NDSL): NE  
Australian (ACIS): NE  
Korea (KECI): NE  
Japan (ENCS, MITI): NE  
EU Directive 2002/95/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

EUROPEAN UNION labeling and classification of this material: Not classified according to directive 67/548/EEC (dangerous substances) and 1999/45/EC (dangerous preparations)  
Symbol: NA  
R-phrase: NA  
S-phrase: NA

TSCA (Toxic Substances Control Act): NE

CERCLA (Comprehensive Emergency Response, Compensation, and Liability Act): NA

SARA TITLE III (Superfund Amendments and Reauthorization Act): NA

311/312 HAZARD CATEGORIES: NA

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
NA	NA	NA

## 16. OTHER INFORMATION

NA = Not Applicable  
NE = Not Established  
NC = Not Classified

FILE: Laminates.doc  
99188  
PREPARED BY: Jonas Heynssens  
REVIEWED BY: Steven de Smedt

REVISION ITEMS & DATE: 6-11-07, Section 16, 15, 2, 10-11-07 Section 1, added product line.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF.

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