



INDUSTRIES 3R

MATERIAL SAFETY DATA SHEET

IDENTITY

Part Number: **INY 601**
 Identity: Composite Needlefelt Fabric
 Description: Composite Needlefelt Fabric
 Other Generic Names: None

SUPPLIER

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HAZARD IDENTIFICATION

This product is classified as low hazard.

COMPOSITION / INFORMATION ON INGREDIENTS

The working surface of the product is made up of polyamide-imide, oxidised polyacrylonitrile (CAS 070892-43-2) and para-aramid staple organic fibres (CAS 26125-61-1) which are needled through a central lightweight reinforcing polyester scrim cloth. The backing layer is made from flame retardant viscose rayon fibres, which are also needled to the central scrim. Some of the fibres are coated with small amounts of textile finishes and/or anti-static agent. The staple para-aramid fibres contain some fragments of respirable size. INYA607 series is an aluminised product, made by the application of metallised PET film to one side of INY600. The film is bonded to the felt by means of a polychloroprene based rubber adhesive, whose properties have been optimised, by the inclusion of various compounding agents.

PHYSICAL AND CHEMICAL PROPERTIES

Weights: See appropriate Product Data Sheets
 Appearance: INYA607 – version is a aluminised on one side
 INY600 - Ash black or moss green – as stated above
 Odor: The products have no discernible odor at normal room temperatures but may produce a gaseous odor at elevated temperatures.
 Solubility in Water: Insoluble
 Melting Point: Not Applicable
 Boiling Point: Not Applicable
 Vapor Pressure: Not Applicable
 Percent Volatile (vol.): Not Applicable
 Evaporation Rate: Not Applicable

FIRE – FIGHTING MEASURES

Flammability: The materials are inherently flame resistant. They will burn if an ignition source is maintained but flaming normally stops when the source is removed. Combustion products are similar to those of other organic that contain oxygen, hydrogen, carbon and nitrogen. They may vary depending on the condition of combustion/pyrolysis. Principal combustion products are carbon dioxide, carbon monoxide and water.

Special fire-fighting procedures: Appropriate forms of self-contained breathing apparatus should be worn in dealing with fire situations at close range.

Extinguishing media: Use that appropriate to the surrounding fire.

STABILITY AND REACTIVITY

The products are stable when used for the intended industrial application.

TOXICOLOGICAL AND ECOLOGICAL INFORMATION

Effects of Over-exposure (acute and chronic):

Inhalation (Dust): Fibrous dust from the product, if produced in sufficient quantities, could be irritant to the upper respiratory tract.

Carcinogenicity: None of the component materials are classified as carcinogens.

Skin Irritation: The manufacturers of the fibres and associated fibre treatments claim that the handling and use of the materials are not likely to lead to adverse skin effects.

Eye Irritation: Entry fibrous dust into the eye will cause foreign body irritation.

Primary Routes of Exposure: Inhalation, skin and eye contact.

Ecological: The materials used in these products are not associated with any known ecological problems

DISPOSAL PROCEDURES

The disposal of waste should be carried out in accordance with national or regional directives – normally by burial in controlled industrial landfill sites.

EXPOSURE CONTROL/PERSONAL PROTECTION

Workplace exposure to para-aramid dust should be kept to a minimum that is reasonably practicable and should not exceed the workplace exposure limit of 0.5 fibre/ml, 8 hour TWA (ref. 1).

The provision of local ventilation, respiratory protection, protective clothing and equipment is not normally required for the fabrication of components or garments from this product.

HAZARD IDENTIFICATION

The fabrics of these grades are labelled for identification purposes, only being of low hazard.

FIRST AID MEASURES

Inhalation: In the unlikely event of excessive inhalation of dust (or fumes from a sustained fire situation), remove the individual to the fresh air. Obtain medical advice.

Skin Irritation: In the unlikely, event of skin irritation, wash affected part with mild soap and water. If irritation persists, obtain medical advice.

Eye Irritation: Irrigate eyes if affected by entry of dust. Obtain medical advice if irritation persists.

ACCIDENTAL RELEASE MEASURES

These products damaged or made friable should be handled with the use of personal protective equipment.

HANDLING AND STORAGE

It is highly unlikely that these products will give rise to significant amounts of dust during normal handling and dust control measures will rarely be required in circumstances involving the fabrication of products from these materials. However, in accordance with good working practices, the production of debris should be minimised and the accumulation of dust should be removed by dust-less methods. No special storage conditions are required on health grounds.

TRANSPORT INFORMATION

All products are labelled as in section Hazard identification and double wrapped to prevent possible damage.

REGULATORY INFORMATION

No specific regulatory information is applicable to these products.

OTHER INFORMATION

References: Health & Safety Executive Guidance Note EH 40/2005. Occupational Exposure Limits 2005.

DISCLAIMER – The information provided in this Safety Data Sheet is based on our current knowledge. While the information and recommendations set forth herein are believed to be accurate, Industries 3R takes no warranty with respect thereto and disclaims all liability in reliance thereon. We recommend testing according to local conditions. The specifications are subject to change without notice.