

**JOHNSON WINDOW FILMS INC.
MATERIAL SAFETY DATA SHEET**

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

MANUFACTURER: Johnson Laminating & Coating Inc. 20631 Annalee Avenue, Carson, CA 90746
(310) 635-4929

MATERIAL IDENTIFICATION: Johnson High Performance Films

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Weight Percent</u>
Polymerized Polyacrylate Resin	9%
Polyethylene Terephthalate Film	87%
Polymerized Polyester Resin	4%

3. PHYSICAL/CHEMICAL DATA

Appearance: Dyed/metallic plastic film Odor: Negligible Melting Point: About 260°C
Solubility in Water: Insoluble Specific Gravity: NA
Vapor Pressure: Negligible at ambient temperatures

OSHA Hazard Communication Standard (29 CFR 1910.1200) requirements for Material Safety Data Sheets do not apply to the products described in this sheet. These products are excluded as articles.

4. HAZARDOUS INGREDIENTS

All reportable ingredients are listed in the TSCA Chemical Substance Inventory. The products are not known to contain Toxic Chemicals under S.A.R.A. Title III, Section 313. The products contain no substances present at a concentration of 0.1% or more which are classified as a carcinogen by IARC, NTP, or OSHA.

5. FIRST AID MEASURES

INHALATION: No specific intervention is indicated, as the product is not likely to be hazardous by inhalation. If exposed to fumes from combustion of the product, remove to fresh air.
SKIN CONTACT: No specific intervention is indicated, as the product is not likely to be hazardous by skin contact.
EYE CONTACT: Prolonged eye irritation may occur from pieces of debris sticking to the eyeball or eyelids. In case of contact, immediately flush eyes with plenty of water for 15 minutes.
INGESTION: No specific intervention is indicated, as the product is not likely to be ingested. If ingested, contact a physician.

6. FIRE FIGHTING MEASURES

The film in roll form is combustible and will burn if exposed to flame. Fire fighters should protect themselves from decomposition and combustion products which may include acetaldehyde, carbon monoxide and carbon dioxide. Self contained breathing apparatus and personal protective equipment are recommended where the potential for exposure to the products of combustion exists. Fire fighting extinguishing media include carbon dioxide, water spray, foam, or dry chemical.

Film bonded to a window can be combusted only by remaining in contact with an ignition source. If the flame source is stationary, the film will shrink away from the flame and self-extinguish.

7. ACCIDENTAL RELEASE MEASURES

Spill Clean up – Sweep up to avoid slipping hazard.

8. HANDLING AND STORAGE

Store at room temperature away from heat and sources of ignition. Avoid skin contact with sharp film edges.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

No exposure controls or personal protection is required under normal circumstances.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions

Incompatibilities with other materials: Strong acids and bases may hydrolyze the film.

Decomposition: Combustion can produce carbon oxides and hydrocarbon oxidation products, including organic acids, aldehydes, and alcohols.

Polymerization: Will not occur

Oxidizing Properties: NA

11. TOXICOLOGICAL INFORMATION

No information is available, however, data on polyethylene terephthalate film is as follows:

Oral ALD > 10,000 mg/kg in rats.

Toxic effects from short exposure by inhalation or ingestion resulted in no adverse effects. Does not have carcinogenic, mutagenic, developmental or reproductive effects.

12. ECOLOGICAL INFORMATION

No information is available. Toxicity is expected to be low based on the products' insolubility in water.

Waste Disposal – Preferred options for disposal are incineration with energy recovery, landfill, or recycling.

13. TRANSPORTATION INFORMATION

DOT proper shipping name: not regulated

14. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA Inventory Status: In compliance with inventory requirements for commercial purposes.

STATE REGULATIONS (U.S.)

No substances on the state hazardous substances list, for the states listed below are included in the products on this Material Safety Data Sheet.

California

Pennsylvania

New Jersey

15. OTHER INFORMATION

NFPA Rating: Health (1); Flammability (1); Reactivity (0)

HMIS Rating: Health (0); Flammability (1); Reactivity (0)

To the best of our knowledge, the information contained herein is accurate. However, Johnson Laminating and Coating Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained in this Material Safety Data Sheet. All materials present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

FOR FURTHER INFORMATION CONTACT:

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