

Material Safety Data Sheet

Section 1 – Product Identity

Supplier:	Pack Vision BV
Address:	Meerwijkweg 58 +31 (0) 73 644 02 03
Email:	info@packvision.nl

HMIS Rating (NPCA)	
Health	1
Flammability	1
Reactivity	0
PPE	

Common Name:	Diffraction	CAS:	None
Trade Name:	Hot Stamping Foil	Chemical Formula:	Mixture
Chemical Name:	Mixture		

Section 2 – Composition

Component	Chemical Name	% by Weight	% by Volume
PET Film	PET	90-95	
Resin	Polymeric Resins	1.0-6.0	
Additives	Polymeric Wax	<0.01	
Dyes/Pigments	Dyestuff & Pigments	0.1-1.0	
Aluminum	Aluminum	<0.01	

Section 3 – Hazardous Ingredients

Hazardous Component	CAS #	TLV Units	% by Weight
None			

Section 4 – Emergency & First Aid Procedures

Inhalation	Remove person to fresh air. Seek medical attention
Eyes	Flush with water for 15 minutes. See medical attention if irritation develops
Skin	Wash thoroughly with soap and water
Ingestion	See medical attention

Section 5 – Fire Fighting Measures

Flammable Limits in Air, % by Volume	None established
Extinguisher Media	Foam, CO ₂ , Extinguishing Powder, Water Spray
Special Fire Fighting Procedures	Use NIOSH-MSHA approved SCBA and full protective gear.
Unusual Fire and Explosion Hazards	Film will ignite when exposed to open flame

Section 6 – Special Precautions and Spill/Leak Measures

Handling Precautions	Store away from excessive heat or open flame
Other Precautions	1. Minimize wrinkling to prevent dusting 2. Eye wash stations should be located next to work areas
In Case of Spill or Leak	Sweep and recover, or shovel into waste container

Section 7 – Handling and Storage

Handling	Gloves are advised
Storage	Keep at ambient conditions, away from direct heat sources and moisture

Section 8 – Exposure Controls/Personal Protection

Respiratory Protection	Use OSHA approved particle mask if particles are present
Ventilation	Local exhaust during processing
Gloves	Work gloves
Eye Protection	Safety glasses
Other	

Section 9 – Physical & Chemical Characteristics

Appearance & Odor	Metallic colors coated on PET film	Vapor Pressure	N/A
Solubility in Water	Insoluble	Reactivity in Water	None
% Volatile	Nil	Vapor density (Air = 1)	N/A
Boiling Pt/Range	N/A	Flashpoint	N/A
Wt/Gal	N/A	Specific Gravity	N/A
Evaporation Rate	N/A	ACGIH TLV	Not established

Section 10 – Physical Hazards/ Stability and Reactivity

Stability	Stable
Conditions to Avoid	Excessive heat, open flame, strong oxidizing agents in the presence of heat
Hazardous Decomposition Products	When burned: Carbon Monoxide, Carbon Dioxide, hydrocarbons, smoke.
Hazardous Polymerization	Will not occur

Section 11- Health Hazards/Toxicological Information

ACGIH TLV	Not established
Signs of Exposure	
Acute Overexposure	None known
Chronic Overexposure	None known
Listed as Known or Potential Carcinogen?	No
OSHA Potential Carcinogen?	No
Heavy Metals	This product complies with the requirements of the CONEG heavy metal limits and with the EU Directive 94/62/EC, RoHS and WEEE restrictions on heavy metal concentrations. No cadmium, lead, mercury or hexavalent (VI) chromium have been intentionally added to these products and the sum of the concentration of these four metals is less than 100ppm
Flame Retardants	This product is not manufactured with pentabromodiphenyl ether(PentaDBE), octobromodiphenyl ether (OctaDBE) or any other bromine based flame retardant
Other	None known

Section 12 – Ecological Information

Aquatic Toxicology	This product is insoluble in water, and is therefore unlikely to be harmful to aquatic organisms
Biodegradability	N/A
Effect on Effluent Treatment	N/A

Section 13 – Waste Disposal

Dispose of according to Local, State and Federal regulations

Section 14 – Shipping (D.O.T./USA)

Class	Non-hazardous, Non-regulated
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Section 15 – Regulations

TSCA Inventory Status	All components listed
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Section 16 – Other Information

The data set forth in this sheet relates only to the specific material designated and may not be valid for such material in combination with any other materials or in any process. The data set forth herein are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. The manufacturer makes no representation, warranty or guarantee with respect to the accuracy, reliability or completeness of the information provided by its suppliers. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of the information contained herein.

The manufacturer warrants only that the aforementioned product conforms to the product's published specifications contained elsewhere, and no other representation, warranty or guarantee is made with respect thereto. The manufacturer does not guarantee favorable results, and assumes no liability in connection with the use of its products. Our products are intended for use by persons having technical skills and knowledge, at their own discretion and risk.

Product: Diffraction

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Approved by: Research and Development Chemist