

Platinum[®] OPP Gloss Laminate with DigiBOND[™]

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SECTION 1: Material Identification	
Product Name	Platinum OPP Gloss Laminate with DigiBOND
Recommended Use	Lamination
Uses Advised Against	Do not use above mentioned material in medical applications involving permanent implantation in the human body or permanent contact with internal body fluids or tissues.
Distributor Name	Nobelus Europe Ltd. Denmark House Victoria Way Studlands Park Industrial Estate Newmarket CB8 7AU, UK
Emergency Phone Number	+44 (0)1638 591187
SECTION 2: Hazard Identification	
Hazard Classification	This product is not classified according to the UN GHS guideline as data is limited.
Signal Word	No data available.
Hazard Statements	<p>Eye Contact: Solid or dust may cause irritation or corneal injury due to mechanical action. Elevated temperatures may generate vapor levels sufficient to cause eye irritation. Effects may include discomfort and redness.</p> <p>Skin Contact: Prolonged contact is essentially nonirritating to skin. Mechanical injury only. Under normal processing conditions, material is heated to elevated temperatures; contact with the material may cause thermal burns.</p> <p>Skin Absorption: No adverse effects anticipated by skin absorption.</p> <p>Inhalation: No adverse effects are anticipated from single exposure to dust. Vapors released during thermal processing may cause respiratory irritation.</p> <p>Ingestion: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. May cause choking if swallowed.</p>
Pictograms	No data available.
Precautionary Statements	Slipping Hazard. May causes irritation if contact with eyes, skin, mucous membranes. If contact with non-refrigerated product, may cause burns.
CAS Hazard Class	No data available.
Results of PBT and vPvB Assessment	No data available.
% of Product with Unknown Acute Toxicity	No data available.
Unusual Fire & Explosion Hazards	No data available.
Label Elements	No data available.
Other Hazards	Molten product can adhere to the skin and cause burns. Spilled material may present a slipping hazard. Possible production of electrostatic charges when used. Steams can irritate the eyes as well as the respiratory tract.
The film can pick up a strong static charge during processing. Avoid discharge into dust or solvent as a flash fire or explosion may result.	

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SECTION 3: Composition / Information on Ingredients

Chemical Name and Synonyms	CAS No.	Concentration
Polypropylene (1-Propene homopolymer)	9003-07-0	57% under Max
EVA (Acetic acid ethenyl ester polymer with ethene)	24937-78-8	40% over Min
Polyurethane (Ethyl carbamate)	51-78-6	1-5%
Silica (Silicon dioxide)	24937-78-8	1% under Max
Additive	-	1% under Max
Impurities & Stabilizing Additives	Data provided above.	

SECTION 4: First Aid Measures

General Information	No data available.
Following Inhalation	If inhaled, move victim to fresh air. Perform artificial respiration if they stop breathing. Use supplied oxygen respirator if they're having difficulty in breathing. Call a physician if necessary.
After Eye Contact	Heated material: Immediately flush eyes with plenty of water for at least 15 min. If material gets on eyes, get medical advice before removing this material. Refrigerated material: Immediately flush eyes with plenty of water or saline solution. If eye irritation persists, get medical advice. Remove contact lenses, if worn.
After Skin Contact	Heated material: Remove immediately all contaminated clothing; flush the part that came in contact with cool water for at least 15 min. Call a physician. The use of vegetable oil or mineral oil is recommended for removal of this material from the skin. Refrigerated material: Flush contaminated part with plenty of water and soap completely. Wash contaminated clothing before reuse. If experiencing symptoms, get medical advice.
After Ingestion	Do not induce vomiting. Lay the patient down with the head lower than body for prevention of suffocation, if the patient is vomiting. Do not give anything to mouth if patient is unconscious. Rinse the mouth and give 2-4 glasses of milk or water if patient is conscious. If patient is conscious, rinse the mouth. Call a physician if necessary. If large quantities of this material are swallowed, call a physician immediately.
Important Symptoms and Effects, Both Acute and Delayed	Stomach stimulus and diarrhea may occur if ingested. May cause irritation slightly if it comes in contact with the skin. Repeated exposure may cause skin dryness or cracking. Heated material can cause thermal burns. Exposure to aerosols or particulates from heated material may cause adverse lung effects if high concentrations are inhaled.
Recommendations for Immediate Medical Care / Special Treatment	Medical personnel may leave this material in place to minimize physical damage to the skin or cover the material with a burn gel to prevent adhesion of the dressing to the material. Treatment may vary with condition of victim and specifics of incident.

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SECTION 5: Fire Fighting Measures	
General Information	No data available.
Suitable Extinguishing Agents / Equipment	Water fog or fine spray, Dry chemical, Carbon Dioxide, Foam.
Unsuitable Extinguishing Agents / Equipment	Indoor or outdoor hydrant facilities, sprinkler, water jet.
Special Exposure Hazards Arising from the Substance itself, Combustion Products, or Resulting Gases	Irritating and highly toxic gases, carbon oxides such as carbon dioxide, carbon monoxide may be generated by thermal decomposition or combustion. During a fire, thermal depolymerization may produce flammable vapour.
Special Protective Equipment for Fire Fighters	Full firefighting turn-out gear (bunker gear), Supplied-air respirator (full facepiece), Self-contained breathing apparatus (pressure-demand or other positive pressure mode in combination). Move container from fire area if it can be done without risk.
Fire Fighting Procedures and Precautions	Keep people away. Do not inhale the material or its combustion products. Go against the wind and keep out of low areas. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. If material is molten, do not apply direct water stream. Cool surroundings with water to localize fire zone. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Do not scatter spilled material with high-pressure water streams. Fire may be spread by water use. Use fine water spray or foam.
Heat Value	No data available.
SECTION 6: Accidental Release Measures	
Personal Precautions, Protective Equipment, and Emergency Procedures	Perform in accordance with Section 8. Put on appropriate personal protective equipment. Wash thoroughly after handling. Spilled materials may cause a slipping hazard. Remove all source of ignition around the leak - sparks, flames. No smoking.
Environmental Precautions and Protective Procedures	Avoid dispersal of spilt material and runoff and contact with waterways, drains and sewers. If large spills, advise emergency services. Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12.
Methods for Containment and Cleanup	For small spills, sweep up, and place in an approved chemical container. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. If water spill, remove from surface by skimming or with suitable absorbent. If molten liquid material is spilled, allow it to cool and solidify before proceeding with disposal methods. Place absorbent and other waste in an appropriate container for disposal. Dispose in accordance with The Waste Control Law.
References to Other Sections	No data available.
SECTION 7: Handling and Storage	
Precautions for Safe Handling	Perform in accordance with Section 8. Put on appropriate personal protective equipment. Keep away from open flames, shut off the production of source of ignition. Ground/bond all containers and receiving equipment, use equipment of prevention of explosion. Do not breathe dust when using this material. Ventilate enclosed storage areas, such as trailers and railcars, before entering. Have emergency equipment for fires and spills readily available. Use caution to avoid creation of dusts and to prevent inhalation of product dust (fines).
Conditions for Safe Storage including Incompatibilities	Keep away from heat, sparks, open flames, source of ignition. Store in a cool, dry, well-ventilated area.
Shelf Life	No data available.
Precautions against Fire and Explosion	No data available.

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SECTION 8: Exposure Controls / Personal Protection

Control Parameters	No data available.
Permissible Exposure Limits (PELs)	No data available.
ACGIH Threshold Limit Values (TLVs)	No data available.
General Information Regarding PPE	No data available.
Hand, Skin, and Body Protection	Wear chemical resistant protected gloves if there is hazard potential for direct skin contact. Wear heat resistant protected gloves to withstand the temperature of molten product. Wear chemical resistant protected clothing if there is hazard potential for direct contact.
Eye Protection	Wear primary eye protection such as splash resistant safety goggles with a secondary protection faceshield. Provide an emergency eye wash station and quick drench shower in the immediate work area.
Respiratory Protection	None required under normal conditions of use. If heated material generates vapor or fumes that are not, adequately controlled by ventilation wear a respirator be given official approval.
Special Requirements for PPE	No data available.
Appropriate Engineering Controls / Ventilation	Local exhaust ventilation may be necessary for some operations. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.
Thermal Hazard Protection	No data available.

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SECTION 9: Physical and Chemical Properties

Appearance / Color	Non-Colored & Transparent Film.
State of Matter	No data available.
Upper / Lower Flammability Limits	No data available.
Upper / Lower Explosion Limits	No data available.
Odor	No data available.
Odor Threshold	No data available.
Vapor Density	No data available.
pH	No data available.
Relative Density	No data available.
Melting Point / Melting Range	60~170°C (140-338°F)
Freezing Point / Freezing Range	No data available.
Solubility(ies)	Insoluble in water; Soluble in Petroleum naphtha, Xylene, Toluene, Trichloroethylene, Highly heated Mineral Oil.
Initial Boiling Point / Boiling Range	Not applicable.
Flash Point	No data available.
Evaporation Rate	No data available.
Density	No data available.
Relative Density	No data available.
Flammability (solid, gas)	No data available.
Partition Coefficient (N-Octane / Water)	No data available.
Auto-Ignition Temperature	400°C (752°F)
Viscosity: Dynamic / Kinematic	No data available.
Decomposition Temperature	No data available.
Danger of Explosion	No data available.
Vapor Pressure	No data available.
Specific Gravity	0.91 – 0.93 (Water = 1)
Spontaneous Combustion	No data available.
Solubility / Miscibility with water	No data available.
Solvent Content	No data available.
Oxidization	No data available.
Distribution Coefficient	No data available.
Molecular Weight	No data available.

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SECTION 10: Stability & Reactivity	
Reactivity	No data available.
Chemical Stability	This material is stable under normal ambient and recommended storage and handling conditions of temperature and pressure.
Possibility of Hazardous Reactions	Not expected to occur.
Thermal Decomposition / Conditions to Avoid	Avoid to heat, open flames, sparks and other source of ignition.
Incompatible Materials	No data available.
Hazardous Decomposition Products	Combustion may produce carbon oxides such as carbon monoxide, carbon dioxide. During a fire, thermal depolymerization may produce flammable vapour. Low molecular weight hydrocarbons, aldehydes, acids and ketones can be formed during thermal processing.
Hazardous Polymerization	No data available.
SECTION 11: Toxicological Information	
Acute Toxicity	This material is not expected to be irritating to the skin or eyes.
Primary Irritant Effects on the Skin	Not classifiable.
Primary Irritant Effects on the Eye	Not classifiable.
Primary Irritant Effects upon Inhalation	Not classifiable.
Primary Irritant Effects upon Ingestion	Not classifiable.
Delayed, Immediate, and Chronic Effects from Exposure	No data available.
Symptoms	No data available.
Carcinogen Information: if Listed in NTP or IARC	No data available.
Sensitization	No data available.
STOT (Specific Target Organ Toxicity): Single and Repeated Exposure	No data available.
SECTION 12: Ecological Information	
Ecological & Aquatic Toxicity	No data available.
Persistence and Degradability	This material is not expected to be readily biodegradable.
Bioaccumulative Potential	This material is not expected to be bioaccumulated by environmental food chain.
Mobility in Soil / Agronomical Movement	This material is not likely to move rapidly with surface or groundwater flows.
Other Hazardous Effects	This material is not expected to be acutely toxic, but material in pellet or bead form may mechanically cause adverse effects if ingested by waterfowl or aquatic life.
Additional Ecological Information	No data available.

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SECTION 13: Disposal Considerations

Disposal Method and Precautions	The user of this product must properly characterize the waste/container generated from the use of this product in accordance with all applicable federal, state and/or local laws and regulations in order to determine the proper disposal of the waste in accordance with all applicable federal, state and/or local laws and regulations.
Recommended Cleansing Agents	No data available.
Contaminated Packaging	Dispose of waste in accordance with local regulation.
General Comment	Dispose according to Local, Federal, and State Regulations
References to Other Sections	No data available.

SECTION 14: Transport Information

UN Number	Not classified as a dangerous good under transports regulation.
UN Proper Shipping Name	Not applicable.
Transport Hazard Class(es)	Not applicable.
Class	Not applicable.
Packing Group Number	Not applicable.
Environmental Hazards	No data available.
Marine Pollutant	Not applicable.
Special Precautions for User	Local transport follows in accordance with Dangerous goods Safety Management Law. Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.
UN "Model Regulation"	No data available.
Bulk Transport Regulations	No data available.

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SECTION 15: Regulatory Information

NFPA Grade	Health=1, Flammability=1, Reactivity=0
ISHL (The Industrial Safety and Health Law)	This product is not subject to the chemical needs monitoring workplace exposure limit under ISHL Article 42. This product is not subject to the chemical specified the exposure limit under ISHL Article 42., Public notice 2008-2.
TCCA (Toxic Chemical Control Act)	This product is not classified as Toxic chemical and Observational chemical under TCCA Article 2.3. and 2.4.
POPs Management Law	Not applicable.
Rotterdam Convention on Harmful Chemicals & Pesticides	Not applicable.
Stockholm Convention on Persistent Organic Pollutants	Not applicable.
Montreal Protocol on Substances That Deplete the Ozone Layer	Not applicable.
Information of EU Classification	Not applicable.
OSHA Regulation (29CFR1910.119)	Not applicable.
CERCLA 103 Regulation (40CFR302.4)	Not applicable.
EPCRA 302 Regulation (40CFR355.30)	Not applicable.
EPCRA 304 Regulation (40CFR355.40)	Not applicable.
EPCRA 313 Regulation (40CFR372.65)	Not applicable.

SECTION 16: Other Information

Last Revision	April 1, 2020
Training Instructions	None Known.
Data Sources	Data provided is from Manufacturer's SDS Sheets.
Disclaimer	This MSDS is prepared based on the MSDS provided by our supplier's suppliers, and many other databases and translated into English in accordance with ISHL Article 41 and MOL Public notice 2008-01. This information only concerns the above-mentioned product and does not need to be valid if used with other(s) or in any process. The information is to our supplier's best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and sufficiently complete for their particular use of this product.

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The information furnished herein is believed to be factual. No hazardous substances are used in the manufacturing of this product on this material safety data sheet with the exceptions indicated. Though no specific analysis is done for the products or the raw material used in its manufacturing for hazardous substances stated in various states list. The information is taken from works and qualified experts, however nothing contained in the information is to be taken as warranty or representation for which Nobelus[®], bears legal responsibility.