

TAYLA-MADE NAIL CO

PRODUCT SAFETY INFORMATION SHEET

THE BONDER

IMPORTANT DOCUMENT STATUS

This Product Safety Information Sheet has been prepared by Tayla-Made Nail Co from the safety information supplied with the product by the manufacturer. It has not been independently prepared, tested, certified or issued by an accredited laboratory, toxicologist or SDS author. It is provided as a practical customer safety reference and should not be represented as an independently certified or professionally authored SDS.

1. Product identification

Product name	The Bonder
Product type	Solvent-based nail adhesion/bonding agent
Product use	Promoting adhesion between the natural nail and subsequent nail enhancement products

2. Ingredient information

Chemical component	CAS No.	Concentration (WT%)
Ethyl Acetate	141-78-6	65%
Ethoxydiglycol Acrylate	7328-17-8	15%
4-Acryloylmorpholine	5117-12-4	5%
Tripropylene glycol diacrylate	42978-66-5	10%
Phosphoric Acid	7664-38-2	0.5%
Bis-(methacryloyloxyethyl) phosphate	32435-46-4	4.5%

3. Hazard identification

Physical state: Liquid.

Colour: Colorless to light yellow transparent liquid.

Odour: Citronellol.

Health: 1* | Flammability: Class III | Physical Hazard: 1.

WARNING: HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED. DO NOT SPRAY. DO NOT HEAT. MAY CAUSE ALLERGIC SKIN REACTION. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, inhalation and eyes.

Skin contact: Contact with skin will cause irritation.

Eye contact: Contact with eyes will cause irritation.

Personal protection: See Section 8.

4. What to do in an emergency / first aid

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Immediately flush skin with plenty of water, using soap if available. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical attention if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Ingestion: Seek medical attention immediately.

5. Fire-fighting measures

Flash point: -4°C.

Autoignition temperature: 426.7°C.

Flammable/explosive limits: Lower 2%; Upper 11%.

Extinguishing media stated by supplier: Foam, dry chemical, carbon dioxide or sand. Supplier MSDS states not to use water for fire extinguishing.

Special fire-fighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Unusual fire/explosion hazard: Uncontrolled polymerisation may occur at high temperatures, resulting in explosions or rupture of storage containers.

Hazardous combustion products: Oxides of carbon, oxides of nitrogen, irritating organic vapours and toxic fumes.

6. Accidental release measures

Remove sources of ignition. Prevent product from entering drains or open waters.

Before clean-up, refer to Section 8. Soak up with inert absorbent and store in a partly filled, closed container until disposal.

7. Safe handling and storage - what NOT to do

- Do not allow contact with eyes, skin or clothing.
- Do not breathe vapour or mist.
- Do not heat or spray.
- Do not use without adequate ventilation.
- Do not expose to heat, sparks or open flame.
- Do not leave the container open when not in use.

Storage: Store sealed at or below 26°C (80°F). Keep in a cool, well-ventilated area away from heat, sparks and open flame. Keep the container tightly closed until ready for use.

Incompatible products: Refer to Section 11.

8. Exposure controls / personal protection - what TO do

- Use appropriate local exhaust ventilation where general ventilation is not sufficient to control airborne contamination.
- Use impermeable gloves and protective clothing as necessary to prevent skin contact. The supplier MSDS specifically identifies neoprene gloves.
- Use safety goggles or safety glasses with side shields. Where there is a splash hazard, use chemical goggles together with a full face shield.
- Use respiratory protection where exposure limits may be exceeded or where the product is handled at elevated temperature or under mist-forming conditions, in accordance with applicable workplace requirements.
- Wash thoroughly after handling.

9. Physical and chemical properties

Physical state	Liquid
Colour	Colorless to light yellow transparent liquid
Odour	Citronellol
Saturated steam pressure	10.1 kPa (20°C)
pH	3-4
Boiling point/range	76.6-77.5°C (169.88-177.5°F)
Melting point/range	Not available
Specific gravity	Not available
Vapour density	Not available
Evaporation rate	Not available
Solubility in water	Slight
Partition coefficient (n-octanol/water)	Not available

10. Usage method supplied by manufacturer

Pre-clean the nails to remove oil and grease. Apply to the nail surface with a brush and allow to stand for 1-3 minutes. The product self-dries and forms a film at room temperature. The supplier states that the resulting adhesive film can cross-link with subsequent nail enhancement products to improve interlayer adhesion and bonding strength.

11. Stability and reactivity

Stability: Stable under normal conditions of storage and use.

Hazardous polymerisation: May occur.

Hazardous decomposition products: Oxides of carbon, oxides of nitrogen, dimethylamine and irritating organic vapours.

Incompatibility: Strong acids, strong oxidising agents and bases.

Conditions to avoid: Heat, flames, sparks and other sources of ignition. Supplier MSDS states: Do not heat above 60°C (140°F).

12. Toxicological information

The supplier MSDS lists all disclosed components as 'NO' under NTP Carcinogen, IARC Carcinogen and COSHA Carcinogen. For each disclosed component, the supplier MSDS records 'No Records' under Literature Referenced Target Organ & Other Health Effects.

These statements report the information contained in the supplied MSDS and are not an independent toxicological assessment.

13. Ecological information

Ecological information: Not available.

14. Disposal considerations

Information supplied relates to unused product only.

The supplier MSDS states that disposal should be in accordance with P.R.C., province and local governmental regulations. Customers should follow the disposal requirements applicable in their own location.

Supplier MSDS waste statement: Not a RCRA hazardous waste.

15. Transport information

UN number stated by supplier: ADR/RID 1090; IMDG 1090; IATA 1090.

Transport hazard class: ADR/RID 3; IMDG 3; IATA 3.

Packaging group: ADR/RID III; IMDG III; IATA III.

Environmental hazards: ADR/RID - no; IMDG Marine pollutant - no; IATA - no.

Special precautions for user: No data available.

16. Other information and limitations

Users of breathing apparatus must be trained.

The information in this sheet has been transcribed and reorganised from the supplier's MSDS to make the safety information easier for Tayla-Made customers to use. Manufacturer-identifying information has been omitted from this customer copy.

Where the supplier MSDS states that information is 'Not available' or 'No data available', this sheet retains that limitation rather than supplying or estimating missing data.

This sheet does not constitute independent laboratory testing, a cosmetic safety assessment, regulatory approval, or professional certification of the formulation. Before use, read the product label and follow appropriate professional nail-product handling and workplace safety procedures.