



PRODUCT SAFETY INFORMATION SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME: 2929 Bondply
HMIS RATING: H 1 F 1 R 0
USE OF ARTICLE Adhesive sheets for bonding multi-layer printed wiring boards.
DATE ISSUED: 04/09/2019
COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
100 South Roosevelt Avenue
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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE
LABELING REQUIREMENTS: NE
EFFECTS OF OVEREXPOSURE: NE
INHALATION: Dust formed during mechanical usage may cause irritation.
EYE CONTACT: Dust formed during industrial operations may irritate eyes. Film may have sharp edges, which may damage eyes. Follow proper PPE usage when handling.
SKIN CONTACT: Film has sharp edges, which may damage skin. May cause irritation and/or dermatitis. Follow proper PPE usage when handling.
INGESTION: If ingested, seek medical attention. This material is poisonous to ingest. May cause irritation to mouth, throat and stomach. May cause gastrointestinal tract disorder and/or damage.
CHRONIC: NE

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is produced as an "article" as defined in 20 CFR 1910.1200 and REGULATION (EC) N° 1907/2006 is therefore exempt from the Hazard Communication Standard and REACH. Since this material does not release and will not result in exposure to a hazardous chemical under normal conditions of use, no Safety Data Sheet is required.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS /ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>China OEL</u>	<u>EU Classification</u>
Proprietary Material	Trade Secret	NE	100	NE	NE	NE	NC according to 67/548/EC

4. FIRST-AID MEASURES

INHALATION: Remove to fresh air. Obtain medical attention if symptoms persist.

EYE CONTACT: Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

SKIN CONTACT: Immediately remove contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

INGESTION: Do not induce vomiting. Obtain medical attention immediately.

5. FIRE-FIGHTING MEASURES

FLASH POINT: NA °C (°F) Flammable Limits: LEL NA UEL NA
 AUTOIGNITION TEMPERATURE: NE °C (°F)

EXTINGUISHING MEDIA: X Water Spray X Foam X CO₂
X Dry Chemical _____ Other –

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective equipment. Do not breathe dust. Eliminate sources of ignition. Avoid contact with skin and eyes, which may cause lacerations.

ENVIRONMENTAL PRECAUTIONS: Prevent from entering sewer system, surface water or soil.

CLEANING METHODS: Absorb with vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material collection is complete.

7. HANDLING AND STORAGE

HANDLING: Wear suitable protective equipment. Wash hands with soap and water after handling.

STORAGE: Keep material in a temperature controlled room between 20-25° C. (68-77° F). The areas should be well ventilated and dry. The material will burn in a fire.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None needed under normal conditions. If material is heated and odors are noticeable and/or irritating a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.

VENTILATION
 LOCAL: Recommended for all industrial operations.
 GENERAL: Recommended for all industrial operations.

PERSONAL PROTECTION
 HAND: Cut resistant gloves.
 EYE: Safety glasses with side-shields are recommended in all industrial operations.
 SKIN: Proper clothing to minimize exposure lacerations. Gloves and clothing with long sleeves.
 OTHER: Safety shower/eyewash in the area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Flexible film material on a roll.

ODOR:	Characteristic
PHYSICAL STATE:	Solid
BOILING POINT:	NA °C (°F)
MELTING POINT:	>85 °C (>185°F) (melting point of polyethylene substrate higher for polyester substrate).
FREEZING POINT:	NA °C (°F)
FLASH POINT:	NE °C (°F)
WATER SOLUBILITY:	Soluble
VAPOR DENSITY:	NA
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	NE (Water = 1)
PARTITION COEFFICIENT:	NA
EVAPORATION RATE:	NA
RELATIVE DENSITY:	NA
VISCOSITY:	NA
AUTO-IGNITION TEMPERATURE:	NA °C (°F)
DECOMPOSITION TEMPERATURE:	NA °C (°F)
PH:	NA
FLAMMABILITY:	NA

10. STABILITY AND REACTIVITY

STABLE	<input checked="" type="checkbox"/>	UNSTABLE	<input type="checkbox"/>
CONDITIONS TO AVOID:			NE
MATERIALS TO AVOID:			NE
HAZARDOUS POLYMERIZATION:		<input type="checkbox"/>	May Occur
HAZARDOUS DECOMPOSITION PRODUCTS:		<input checked="" type="checkbox"/>	Does Not Occur

CO, CO₂, hydrocarbons, oxides of nitrogen can be generated during thermal decomposition and combustion. In addition, decomposition of substrate may generate hydrogen chloride and phosgene gas.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: NA

12. ECOLOGICAL INFORMATION

ECOTOXICITY: NA

13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES AFFECTING DISPOSAL: None

ENVIRONMENTAL TOXICITY DATA: NA

WASTE DISPOSAL METHOD: Dispose of in accordance with applicable federal, state, provincial, and local laws and regulations.

14. TRANSPORT INFORMATION

UN NUMBER: Not Regulated

UN PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS (ES): Not Regulated

PACKING GROUP: Not Regulated

ENVIRONMENTAL HAZARDS: NE

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

Canadian (DSL/NDSL):	NE
Australian (ACIS):	NE
Korea (KECI):	NE
Japan (ENCS, MITI):	NE
China (SEPA)	NE
EU Directive 2011/65/EC (RoHS):	Does not contain any intentionally added substances mentioned by the RoHS directive.
European: Symbol	Not classified according to directive 67/548/EEC & 2001/60/EC (dangerous substances).
R-Phase(s):	NA
S-Phase(s):	NA
TSCA (<i>Toxic Substances Control Act</i>):	All materials are listed or exempt from TSCA listing.
CERCLA (<i>Comprehensive Emergency Response, Compensation, and Liability Act</i>):	NE
SARA TITLE III (<i>Superfund Amendments and Reauthorization Act</i>):	NA
311/312 Hazard Categories:	None

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
NA	NA	NA

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established

NC = Not Classified
Date Prepared: 10/02/2013

FILE: 99294-2929 Bondply PSIS-04092019.doc
99294

PREPARED BY: EHS Department
REVIEWED BY: EHS Department

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