



PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: ULTRALAM® 3000 Series Bondply

CHEMICAL FAMILY: Aromatic Crystal Polyester

HMIS RATING: H 1 F 1 R 1

USE OF ARTICLE: Bondply

DATE ISSUED: March 5, 2014

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE

LABELING REQUIREMENTS: NE

EFFECTS OF OVEREXPOSURE: None anticipated with normal handling. Molten material may cause burns. No specific inhalation data is available. Avoid breathing fumes of heated materials as good hygiene practices.

INHALATION: Dust may cause respiratory irritation. Remove to fresh air and seek medical attention if necessary.

EYE CONTACT: Dust may cause irritation. Flush eyes with water and seek medical attention if necessary.

SKIN CONTACT: Dust may cause irritation. Wash thoroughly with soap and water.

INGESTION: Not a likely route of exposure. If ingested, seek medical attention.

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.

Chemical Name	CAS No.	EINECS /ELINCS	%	OSHA PEL	ACGIH TLV	EU Classification
2-NAPHTHALENECARBOXYLIC ACID, 6-(ACETYLOXY)-POLYMER WITH 4-(ACETYLOXY)BENZOIC ACID	70679-92-4	Not Listed	100	NE	NE	Not Classified 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:	If hot or molten material contact skin, cool rapidly with cold water. If stuck to skin – do not remove. Obtain medical attention and allow polymer to come off naturally. Removal of adhered polymer may result in more tissue damage. Immediately take off all contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
INGESTION:	Not a likely route of exposure. Low toxicity is expected Obtain medical attention if symptoms persist.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA °C (°F)	Flammable Limits: NE
AUTOIGNITION TEMPERATURE:	540 °C (1004°F)	
EXTINGUISHING MEDIA:	X Water Spray X Foam X CO ₂	
	X Dry Chemical X Other –	

SPECIAL FIRE FIGHTING PROCEDURES:
UNUSUAL FIRE AND EXPLOSION HAZARDS:

Decomposition in a fire may produce toxic fumes. Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

None known.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Exhaust vapors and dust if crushing, grinding, or heating material. Avoid touching eyes while handling. Use of this product in received form will not present a health hazard.
ENVIRONMENTAL PRECAUTIONS:	Control of dust/vapors while machining or heating will ensure safety conditions. Prevent from entering sewer system, surface water or soil.
CLEANING METHODS:	Sweep or shovel into appropriate container for disposal. Avoid creation of nuisance dust.

7. HANDLING AND STORAGE

HANDLING:	Hot wire cutting operations should be exhausted to prevent exposure to irritating vapors. Wear suitable protective equipment, refer to Section 8.
STORAGE:	Keep in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	None needed under normal conditions. If material is heated to decomposition temperatures or odors from heated operations are noticeable and/or irritating an organic vapor respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.
<u>VENTILATION</u>	
LOCAL:	Recommended for all industrial operations. If heating required.
GENERAL:	Recommended for all industrial operations.
<u>PERSONAL PROTECTION</u>	
HAND:	Gloves to avoid skin contact if desired. Heat resistant gloves to protect against hot materials.
EYE:	Safety glasses with side-shields are recommended in all industrial operations.
SKIN:	None required.
OTHER:	Safety shower/eyewash in the area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Film Tan/Brown
ODOR:	None
PHYSICAL STATE:	Solid
BOILING POINT:	NA °C (°F)
MELTING POINT:	527-635°F (275-335 °C)
FREEZING POINT:	NA °C (°F)
FLASH POINT:	NE °C (°F)
WATER SOLUBILITY:	In-Soluble
VAPOR DENSITY:	NA
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	1.4 (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

STABILITY	Stable
CONDITIONS TO AVOID:	NE
MATERIALS TO AVOID:	Do not heat over 750 °F (400 °C). Contact with strong alkali solutions may soften material.
HAZARDOUS POLYMERIZATION:	Does not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO ₂ , Oxides of nitrogen, HCN, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS:	NA
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12. ECOLOGICAL INFORMATION

ECOTOXICITY:	NA
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13. DISPOSAL CONSIDERATION

PHYSICAL/CHEMICAL PROPERTIES	None
AFFECTING DISPOSAL:	
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):	Article – exempt.
Australian (ACIS):	Article – exempt.
Korea (KECI):	Article – exempt.
Japan (ENCS, MITI):	Article – exempt.
China (IECSC)	Article – exempt.
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 1999/45/EC & 2001/60/EC (dangerous preparations).
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>):	NA
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	FILE:	99010-Ultralam 3000 Series Bondply PSIS-03052014
NE = Not Established		99010
NC = Not Classified	PREPARED BY:	Michal Werbecki
Date Prepared: 03/06/2014	REVIEWED BY:	Frances Walsh

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