POLYMER SCIENCE, INC.

Safety Data Sheet
Version: 1
Issue Date:07/30/18
Supercedes: NA

SECTION 1: IDENTIFICATION

PRODUCT NAME: PS-1931 (as cured)

RECOMMENDED USE: Thermal Management for Electronic Components

MANUFACTURER DETAILS:

MANUFACTURER: Polymer Science, Inc.
ADDRESS: 2577 South Freeman Road
Monticello, IN 47960

TELEPHONE: (574) 583-3751

Sold By:
Wakefield-Vette
Part Number PL-BT-601-50M

EMERGENCY PHONE: (574) 583-3751 EXT 2138 (24 HOURS)

SECTION 2: HAZARD IDENTIFICATION

This product is exempt from hazard classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS-No.	% by Wt
Aluminum Oxide	1344-28-1	80-89
Silicone Resin	Trade Secret*	5-10
Silicone Fluid	Trade Secret*	<1
Colorant	51274-00-1	<1

* The specific chemical identity and/or exact percentage of this composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

INHALATION: No need for first aid is anticipated.

SKIN CONTACT: No need for first aid is anticipated.

EYE CONTACT: No need for first aid is anticipated.

IF SWALLOWED: No need for first aid is anticipated.

PROTECTION FOR FIRST RESPONDERS: No special precautions for first responders is anticipated.

NOTES TO PHYSICIAN: Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

In case of fire, use fire-extinguishing media appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:
Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS:
Sweep up or gather material and place in appropriate container for disposal.

METHODS AND MATERIAL FOR CONAINMENT AND CLEANING UP:
Not Applicable

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:
This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

CONDUTIONS FOR SAFE CONDITIONS INCLUDING ANY INCOMPATIBILITIES:
No special storage requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. No engineering controls or personal protective equipment (PPE) are necessary.

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Aluminum Oxide (CAS 1344-28-1)	PEL	5 mg/m3	Respirable fraction

US ACGIH Threshold Limit Values

Components	Type	Value	Form
Aluminum Oxide (CAS 1344-28-1)	TWA	1 mg/m3	Respirable fraction

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

GENERAL PHYSICAL FORM:	Solid (as cured)
ODOR, COLOR, GRADE:	Gray (as cured)
ODOR THRESHOLD:	Slight
pH:	Not Applicable
MELTING POINT:	Not Applicable
BOILING POINT:	Not Applicable
FLASH POINT:	Not Applicable
EVAPORATION RATE:	Not Applicable

FLAMMABILITY (SOLID, GAS):	Not Classified
FLAMMABILITY LIMITS (LEL):	Not Applicable
FLAMMABILITY LIMITS (UEL):	Not Applicable
VAPOR PRESSURE:	Not Applicable
VAPOR DENSITY:	Not Applicable
DENSITY:	3.00-5.00 (as cured)
SPECIFIC GRAVITY:	No Determined
SOLUBILITY IN WATER:	Insoluble in Water
SOLUBILITY – NON-WATER:	Not Applicable
PARTITION COEFFICIENT: N-OCTANOL/WATER	No Data Available
AUTOIGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Applicable
VISCOSITY:	No Data Available
PERCENT VOLATILE:	No Data Available

SECTION 10: STABILITY AND REACTIVITY

This material is considered to be non-reactive under normal use conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

INHALATION: Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the mucous membranes and respiratory tract.

SKIN CONTACT: Prolonged skin contact may cause temporary irritation.

EYE CONTACT: Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the mucous membranes and respiratory tract.

INGESTION: No health effects are expected.

ADDITIONAL INFORMATION:
This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the products' directions for use may affect the performance of the product and may present potential health and safety hazards.

SECTION 12: ECOLOGICAL INFORMATION

This article is expected to present a low environmental risk either because use and disposal are unlikely to result in a significant release of components to the environment or because those components that may be released are expected to have insignificant environmental impact.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with the local/regional/national/international regulations.

SECTION 14: TRANSPORT INFORMATION

International Regulation

UNRTDG Not regulated as a dangerous good.

IATA-DGR Not regulated as a dangerous good.

IMDG-CODE Not regulated as a dangerous good.

TRANSPORT IN BULK ACCORDING TO ANNEX II OR MARPOL 73/78 AND THE IBC CODE
Not applicable for product as supplied.

Domestic Regulation

49 CFR Not regulated as a dangerous good.

SECTION 15: REGULATORY INFORMATION

CHEMICAL INVENTORIES
This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory requirements.

SARA 313 (TRI reporting)

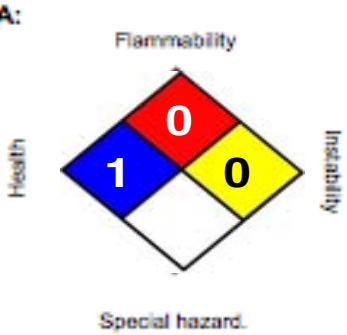
Chemical Name	CAS number	% by wt.
Aluminum Oxide	1344-28-1	80-89

US State Regulations

US Massachusetts Right-to-Know- Substance List
Aluminum Oxide (CAS 1344-28-1)
US New Jersey Worker and Community Right to Know Act
Aluminum Oxide (CAS 1344-28-1)
US Pennsylvania Worker and Community Right-to-Know Law
Aluminum Oxide (CAS 1344-28-1)
US Rhode Island Right-to-Know
Aluminum Oxide (CAS 1344-28-1)

SECTION 16: OTHER INFORMATION

NFPA:



National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by the short-term, acute exposure to a material under conditions of fir e, spill, or similar emergencies. Hazard ratings are primarily based on the inherent

physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.