Product Code: ReZalloy Rx 1200 **Revision Date: 01Nov2024**
Version: 1.0 **Issuing Date: 01Nov2024**

Section 1: Identification

Product Identifier

Product Code:	ReZalloy Rx 1200
Product Name:	ReZalloy Rx 1200 Series
Chemical Family:	Thermoplastic compound

Other Means of Identification

Not applicable.

Recommended Use of the Substance or Mixture and Restrictions on Use

Recommended Use:	May be used to produce molded or extruded articles or as a component of other industrial products.
Restrictions on Use:	None known.

Supplier Details

Name:	Compounding Solutions, LLC
Address:	258 Goddard Road Lewiston, ME 04240 USA
Telephone Number:	207-777-1122 (Monday through Friday, 8:00 AM to 5:00 PM EST)
Fax:	207-777-1566
Email:	SDS@compoundingsolutions.net

Emergency Phone Number

US Emergency Phone Number - 911
+1 800-424-9300 (CHEMTREC US)

Section 2: Hazard(s) Identification

Classification of the Substance or Mixture

GHS Classification in Accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200):

Not a hazardous substance or mixture.

GHS Label Elements, Including Precautionary Statements

Hazard Pictogram(s):	No GHS pictograms indicated for this product.
Signal Word(s):	None.
Hazard Statements:	No GHS hazard statements indicated.
Precautionary Statements:	Not applicable.

Hazards Not Otherwise Classified

Route of Entry:	Inhalation, Ingestion, Skin contact
Inhalation:	Particulates, like other inert materials, can be mechanically irritating. Fumes from hot processing may cause irritation.
Skin Contact:	Experience shows no unusual dermatitis hazard from routine handling. Fumes from hot processing may cause irritation. Contact with the product, when handled at high temperatures, can cause serious burns.

Eye Contact:	Particulates, like other inert materials, can be mechanically irritating. Fumes from hot processing may cause irritation.

Section 3: Composition/Information on Ingredients

Substance / Mixture Mixture

Hazardous Components

There are no hazardous components above the relevant concentration limits according to OSHA Hazard Communication 2012 (29 CFR 1910.1200). The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

Section 4: First-Aid Measures

Description of Necessary First-Aid Measures

Following inhalation:	If inhalation of vapors due to decomposition occurs, remove the affected individual into fresh air. If coughing or symptoms persist, seek medical attention. Assist in breathing if necessary.
Following skin contact:	If molten material gets on skin, cool rapidly with water. Do not peel solidified product off skin. Obtain medical treatment for thermal burns. Remove material from clothing. Wash clothing before reuse. If irritation develops, seek medical attention.
Following eye contact:	If dust enters the eyes, rinse eyes immediately for a minimum of 15 minutes with plenty of water. If irritation develops, seek medical attention. If contact with molten polymer occurs, cool eyes rapidly with cold water. Obtain medical treatment for thermal burns.
Following ingestion:	Ingestion is not likely under normal conditions. If ingestion occurs, do not induce vomiting. Seek medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

For additional important symptoms and effects, refer to Section 11: Toxicological Information.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguishing Media

Suitable extinguishing media:	Water spray, foam, carbon dioxide, or dry chemical.
Unsuitable extinguishing media:	High pressure water jet.

Specific Hazards Arising from the Substance or Mixture

When burned, the following hazardous products of combustion can occur: carbon oxides, hydrogen cyanide, ammonia, amide derivatives, and hazardous organic compounds.

Special Protective Equipment and Precautions for Fire-fighters

Protective Equipment:	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

Other Information: Fire-fighting equipment should be thoroughly decontaminated after use.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

For non-emergency personnel: Prevent further leakage or spillage if you can do so without risk. Ensure adequate ventilation. Spilled material may cause a slipping hazard. Use appropriate safety equipment. Refer to Section 8: Exposure Controls/Personal Protection for more information.

For emergency responders: Wear appropriate protective equipment and clothing during cleanup. Use a NIOSH-approved respirator if there is a risk of exposure to dust at levels exceeding the exposure limits. Local authorities should be advised if significant spillages cannot be contained. Refer to Section 8: Exposure Controls/Personal Protection for more information.

Environmental Precautions

This product should not be released into the environment. Avoid dispersal of spilled material and runoff and do not allow material to come in contact with soil, waterways, drains, and sewers.

Methods and Materials for Containment and Cleaning Up

Sweep up and shovel into suitable, properly labeled containers for prompt disposal. Consult a regulatory specialist to determine the appropriate state or local reporting requirements and for assistance in waste characterization and/or hazardous waste disposal. Refer to Section 13: Disposal Considerations for more information.

Section 7: Handling and Storage

Precautions for Safe Handling

Avoid breathing dust, processing fumes, or vapors. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing. Wash contaminated clothing before reuse. Wash hands before breaks and at the end of workday. Do not eat, drink, or smoke during use.

Conditions for Safe Storage, Including Any Incompatibilities

Store in closed containers, in a secure area to prevent container damage and subsequent spillage. Store away from moisture and heat to maintain the technical properties of the product. Material is not hazardous under normal storage conditions.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Components with workplace occupational exposure limits:

Chemical Component	ACGIH TLV (TWA)	OSHA PEL
Mineral Oil	5 mg/m^3 inhalable	5 mg/m^3 mist

Appropriate Engineering Controls

Provide local exhaust ventilation to control dusts/vapors.

Individual Protection Measures, Such as Personal Protective Equipment

Eye Protection:	Use good industrial practice to avoid eye contact. Where eye contact may be likely, wear chemical goggles and have eye flushing equipment available.
Skin Protection:	Minimize skin contamination by following good industrial hygiene practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after contact with processing fumes or vapors.
Respiratory Protection:	No personal respiratory equipment is normally required; however, avoid breathing processing fumes. Avoid breathing dust. Where airborne exposure is likely, use NIOSH-approved respiratory protection equipment appropriate to the material and/or its components and substances released during processing.
Thermal Hazards:	Contact with heated material can cause thermal burns. Protective heat-insulating gloves are to be used when handling molten material.

Section 9: Physical and Chemical Properties

Physical state / Appearance:	Solid Pellets
Color:	Natural
Odor:	Slight
Odor threshold:	No Information Available
pH:	No Information Available
Melting point:	Not Determined
Freezing point:	Not Determined
Initial boiling point & boiling range:	Not Determined
Flash point:	Not Applicable
Evaporation rate:	Not Applicable
Flammability:	No information Available
Upper/lower flammability or explosive limits:	Not Applicable
Vapor pressure:	Not Applicable
Relative vapor density:	Not Applicable
Relative density:	Not Determined
Solubility:	Insoluble in Water
Partition coefficient: n-octanol/water:	Not Applicable
Auto-ignition temperature:	Not Applicable
Decomposition temperature:	Not Determined
Kinematic viscosity:	Not Applicable
Particle characteristics:	No Information Available

Physical Hazards

Not classified.

Other Information

This product was not tested for properties not listed on the SDS.

Section 10: Stability and Reactivity

Reactivity

No hazardous reactions under normal handling and storage conditions.

Chemical Stability

Material is stable under normal handling and storage conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Refer to Section 7: Handling and Storage for information regarding conditions for safe storage.

Incompatible Materials

Strong oxidizing agents, strong acids, and alkalis.

Hazardous Decomposition Products

Under normal conditions of use, thermal decomposition products should not be produced.

Section 11: Toxicological Information

Information on the Likely Routes of Exposure

Inhalation:	Inhalation unlikely due to physical form. Processing fumes may contain trace amounts of hazardous chemicals. Extreme processing conditions or temperatures may result in higher levels. Processing vapors may cause irritation to the eyes, skin, and respiratory tract.
Ingestion:	Ingestion unlikely due to physical form. May cause stomach pain, nausea, and vomiting.
Skin Contact:	Contact in molten state can cause serious burns.
Eye Contact:	Resin particles, like other inert materials, are mechanically irritating to eyes.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

No information available.

Delayed and Immediate Effects and also Chronic Effects from Short- and Long-Term Exposure

Acute Toxicity:

Component	Route of Exposure	Species	Results
Mineral Oil	Oral	Rat	LD50: > 5,000 mg/kg
	Inhalation	Rat	LC50: > 5 mg/l (4 hr)
	Dermal	Rabbit	LD50: > 2,000 mg/kg

Skin Corrosion/Irritation:	No information available.
Serious Eye Damage/Irritation:	No information available.
Respiratory/Skin Sensitization:	No information available.
Germ Cell Mutagenicity:	No information available.
Carcinogenicity:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, IARC, NTP, or OSHA.

Reproductive Toxicity:	No information available.
STOT – Single Exposure:	No information available.
STOT – Repeated Exposure:	No information available.
Aspiration Hazard:	No information available.

Numerical Measures of Toxicity

The information provided in this section applies to the individual ingredient(s) in their pure form. The form of the ingredient(s) provided to you is encapsulated in plastic, and as a consequence, the values presented by this data may not be representative of the finished product. No data exists on the finished product.

Section 12: Ecological Information

Ecotoxicity

Toxicity to fish:

Component	Exposure Time	Results
Mineral Oil	96 hours	LL50: > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates:

Component	Exposure Time	Results
Mineral Oil	48 hours	EL50: > 100 mg/l

Persistence and Degradability

Although some components may be inherently biodegradable, this product as a whole is not expected to be biodegradable.

Bioaccumulative Potential

This product is not expected to bioaccumulate.

Mobility in Soil

No information available.

Other Adverse Effects

No information available.

Additional Information

This material is not volatile and is insoluble in water. No ecotoxicological studies are available.

Section 13: Disposal Considerations

Disposal Methods

Material that cannot be used, reprocessed, or recycled should be disposed of according to Federal, State, and local laws and regulations. Processing, use, or contamination of this product may change the waste management options. This material, as supplied, when discarded or disposed of, is not a hazardous waste according to Federal Regulations (40 CFR 261).

Contaminated Packaging

Emptied containers may retain product residue. Follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information

UN Number or ID number:	Not regulated as a dangerous good.
UN Proper Shipping Name:	Not regulated as a dangerous good.
Transport hazard class(es):	Not regulated as a dangerous good.
Packing Group:	Not applicable.
Environmental Hazards:	None.
Transport in Bulk According to IMO Instruments:	Not applicable for product as supplied.
Special Precautions for User:	Not applicable.

Section 15: Regulatory Information

Safety, Health and Environmental Regulations Specific for the Substance or Mixture

TSCA:	Material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.
CERCLA:	Material does not contain any CERCLA regulated chemicals.
SARA 311/312 Hazard Class:	See Section 2 for OSHA hazard classification.
SARA 313 Chemicals:	Material does not contain any SARA 313 chemical(s) above de minimus levels.

Section 16: Other Information

Acronyms & Abbreviations

NIOSH – National Institute for Occupational Safety and Health
ACGIH – American Conference of Governmental Industrial Hygienists
TLV – Threshold Limit Values
TWA – Time Weighted Average
OSHA – Occupational Safety and Health Administration
PEL – Permissible Exposure Limits
TSCA – Toxic Substances Control Act
CERCLA – Comprehensive Environmental Response, Compensation, & Liability Act
SARA – Superfund Amendments & Reauthorization Act
STOT – Single Target Organ Toxicity

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Reason for Revision

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