



ROGER A. REED, INC.

SAFETY DATA SHEET

SECTION 1. Identification

Product Identifier: 79024

Product Use: Various end uses including additive for waxes, adhesives and polymers.

Manufacturer: Roger A. Reed, Inc.
167 Pleasant Street, P.O. Box 508, Reading, MA 01867-0690
Phone: 781-944-4640, Fax: 781-942-1831

Emergency telephone number: 781-944-4640 (Monday – Friday, 8:00 a.m – 5:00 p.m)

SECTION 2. Hazards identification

Classification of the substance or mixture

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Health	Not Classified.
Environmental	Not Classified.
Physical	Not Classified.

GHS Label elements

Hazard symbol	Not applicable.
Signal word	Not applicable.
Hazard Statement	This material does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance to local authority requirements.

Hazard(s) not otherwise Classified (HNOC) None known.

SECTION 3. Composition/information on ingredients

Substance / Mixture: Mixture

Chemical name	Common name and synonyms	CAS number	%
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There are no hazardous components present or above their applicable thresholds.

SECTION 4. First-aid measures

Description of first aid measures

- Inhalation:** If exposed to excessive levels of dust or fumes, remove to fresh air and get medical attention if cough or other symptoms develop. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call physician if symptoms develop or persist.
- Skin contact:** If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention.
- Eye contact:** Solid: No specific first aid measures noted. Exposure to fumes, vapors or smoke of over heated product can result in irritation to eyes. Direct contact with molten material will cause injury and burns. When handling molten product eye shield must be worn at all times. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Should an accident occur, flush eyes with generous amounts of water for at least 15 minutes. Administer prompt first aid measures. Get medical attention if irritation develops or persists.
- Ingestion:** Solid: No specific first aid measures noted. Not acutely toxic by ingestion. If material is ingested, do not induce vomiting. Contact with hot product may cause severe burns. Get medical attention immediately.

Most important symptoms/effects, acute and delayed

- Inhalation:** No specific data.
- Skin:** When heated, contact with molten product can cause injury and burns.
- Eyes:** When heated, contact with molten product can cause injury and burns. When heated, fumes from molten product may cause temporary eye irritation. Symptoms may include redness, discomfort, and excessive tearing.
- Ingestion:** No specific data.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5. Fire-fighting measures

Extinguishing media:

- Suitable extinguishing media:** Foam, dry chemical powder, water fog, carbon dioxide.

Unsuitable extinguishing media:	Do not use water stream as it may scatter and spread fire.
Specific hazards arising from the chemical:	By heating and fire, irritating vapors/gases may be formed. During fire, gasses hazardous to health may be formed.
Hazardous thermal decomposition products:	Decomposition products may include: Carbon dioxide, Carbon monoxide, low molecular weight hydrocarbons and other products such as aldehydes, and keytones depending on conditions of oxidation.
Special protective equipment and precautions for firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions:	In case of fire and/or explosion do not breathe fumes. Cool containers exposed to heat with water spray and remove container, if no risk involved. Do not direct water at source of leak or safety device as icing may occur. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire in cargo area, used unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards:	No unusual fire or explosion hazards noted.

SECTION 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. Wear suitable protective equipment and clothing. Avoid inhalation of fumes from molten product. Avoid contact with hot material. Ensure adequate ventilation. For personal protection see section 8 of the SDS.
Environmental precautions:	Avoid entry into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up:	Handle as a thermoplastic. Dike to contain spill. Absorb with inert material such as sand, earth, vermiculite. After cooling, scrape and/or shovel material. Collect and dispose of as indicated in section 13 of the SDS.

SECTION 7. Handling and storage

Precautions for safe handling:	Avoid contact with hot material. Avoid breathing vapor from heated material. Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.
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Conditions for safe storage, including any incompatibilities:

Store below 120F (49°C). Store in accordance with local regulations. Store in original container away from direct sunlight, heat, sparks and open flame. Store in a dry, cool and well-ventilated area away from incompatible materials (see section 10 of the SDS) and food and drink. Keep container tightly closed and sealed until ready for use.

SECTION 8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name

Exposure Limits

No exposure limits noted for ingredient(s).

Appropriate engineering controls:

Use adequate ventilation to keep exposure below recommended limits. Ensure eye wash station and safety shower are close to work station.

Eye/face protection:

Face shield is recommended. Wear face shield when working with molten material. Wear safety glasses with side shields (or goggles).

Skin protection:

Wear heat protective, impervious, chemical resistant gloves and clothing when handling molten material.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9. Physical and chemical properties

Appearance:

Physical State: Solid @25°C /77°F

Form: Slabs

Color: White to off-white

Odor: Slight petroleum odor.

pH: Not available

Melting point: 73 - 78°C (163 - 173°F)

Initial boiling point and boiling range:	>300°C (572°F)								
Flash point:	>200°C (>392°F) ASTM D-92								
Evaporation rate:	<0.01 (butyl acetate = 1)								
Flammability (solid, gas):	Will support a flame above flash point.								
Upper/lower flammability or explosive limits:	<table> <tr> <td>Flammability limit – lower (%)</td> <td>Not available</td> </tr> <tr> <td>Flammability limit – upper (%)</td> <td>Not available</td> </tr> <tr> <td>Explosive limit – lower (%)</td> <td>0.9%</td> </tr> <tr> <td>Explosive limit – upper (%)</td> <td>7%</td> </tr> </table>	Flammability limit – lower (%)	Not available	Flammability limit – upper (%)	Not available	Explosive limit – lower (%)	0.9%	Explosive limit – upper (%)	7%
Flammability limit – lower (%)	Not available								
Flammability limit – upper (%)	Not available								
Explosive limit – lower (%)	0.9%								
Explosive limit – upper (%)	7%								
Vapour pressure:	<0.01 mm Hg (25°C)								
Vapour density:	>5 (Air = 1)								
Specific gravity:	0.91 – 0.94 (H ₂ O =1, 25°C)								
Solubility(ies):									
Water:	<0.1% (20°C)								
Organic solvent:	Soluble								
Partition coefficient (oil/water):	<0.01								
Auto-ignition temperature:	Not available.								
Decomposition temperature:	Not available.								
Viscosity:	Not available.								

SECTION 10. Stability and reactivity

Reactivity:	The material is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	The material is stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reaction known under conditions of normal use. Hazardous polymerization does not occur.
Conditions to avoid:	Oxidizing agents, strong acids, direct sunlight, heat, sparks, static electricity, temperatures exceeding flash point, open flame and other ignitions sources.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Burning can produce oxides of carbon, aldehydes, ketones and soot depending on conditions of oxidation.

SECTION 11. Toxicological information

Information on likely routes of exposure

Inhalation: Inhalation of vapors/fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or difficulty breathing. Inhalation of dusts may cause respiratory irritation.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea and vomiting. Thermal burn hazard – contact with hot material may cause thermal burns.

Skin contact: Thermal burn hazard – contact with hot material may cause thermal burns.

Eye contact: Thermal burn hazard – contact with hot material may cause thermal burns. Fumes released during thermal processing may cause eye irritation.

Information on toxicological effects:

Acute toxicity: Not expected to be acutely toxic.

Skin corrosion/irritation: Thermal burn hazard – contact with hot material may cause thermal burns.

Serious eye damage/irritation: Not classified. Direct contact of molten product to the eyes will cause thermal burns and eye injury.

Respiratory or skin sensitization:

Respiratory sensitization: Not classified.

Skin sensitization: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not expected to be hazardous by OSHA criteria.

Reproductive Toxicity: Not classified.

Specific target organ Toxicity – single exposure: Not classified.

Specific target organ Toxicity – repeated exposure: Not classified.

Aspiration hazard: Solid product: Not likely, due to the form of the product. Aspiration of large amounts of liquid material is reported to cause lipid pneumonia.

Chronic effects: Not expected to be hazardous by OSHA criteria. Exposure to vapors, fumes or smoke from molten material handled in confined areas can produce irritation of respiratory tracts, and possible physical discomfort to sensitive individuals. In rats, chronic ingestion of paraffins has shown accumulation in target organs (liver, spleen) with associated nonspecific immune response.

SECTION 12. Ecological information

Ecotoxicity: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13. Disposal considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between user, the producer and the waste disposal company.

**Waste from residues/
unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated
packaging:** Empty containers should be taken to an approved handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14. Transport information

UN Number: Not regulated as a hazardous material.

**UN Proper
Shipping Name:** Not applicable.

**Transport
hazard class(es):** Not applicable.

Packaging group: Not applicable.

**U.S. Department of
Transportation (DOT):** Not regulated as dangerous goods.

**International Maritime
Dangerous Goods (IMDG):** Not regulated as dangerous goods.

**International Air Transport
Association (IATA):** Not regulated as dangerous goods.

SECTION 15. Regulatory information

U.S. Federal Regulations

CERLA: This material is not reportable under 40 CFR Part 302.4
OSHA: No hazardous chemicals according to 29 CFR 1910.1200.
SARA status: Sections 311 and 312: Not applicable, Section 313: None.
TSCA status: This product, or its ingredients as a mixture, appears on the toxic substances control act inventory.

State Regulations

California Prop 65: Carcinogens: None, Adverse reproductive effects: None

SECTION 16. Other information

Disclaimer: The information contained herein is based on data considered to be accurate and reliable. No warranty is expressed or implied regarding the accuracy or correctness of this data. It is the user's obligation to determine the safe use of the product since conditions of use, handling, storage and disposal are beyond our control.