



Wicks Unlimited your Global Leader
For All of Your Candle Combustion Needs

Hot Melt Candle Glue | RT2315

Wicks Unlimited supplies RT2315 hot melt candle glue specially designed to secure and anchor wick clip assemblies to the inside of empty candle containers. RT2315 glue has been successfully tested to withstand the high temperatures at the bottom of the candle's container during the final burn cycles towards the end of life. This glue's heat resistance also minimizes the chance of wick sustainer migration, the phenomenon where the wick can slide during end-of-life burn cycles.

The melting point of RT2315 is approximately 320°F. It features a short open time, enabling candle manufacturers to begin instantaneous liquid wax filling. The softening point of this glue is approximately 290°F allowing the wick clip assembly to remain safely anchored and centered, even when the burn pool's temperature is elevated.

RT2315 candle glue is formulated to substantially reduce glue spider webbing during production. With the hot melt glue at the optimal operating temperature and the related machinery at optimal operating temperature(s) (Tank 325°F, Hose 345°F, and Nozzle 350°F), RT2315 glue deposits are precise, repeatable, and clean without the stringing associated

Features:

- RT2315 hot melt candle glue is specially designed to secure and anchor wick clip assemblies to the inside of empty candle containers.
- The melting point of RT2315 is approximately 320°F and features a short open time, enabling candle manufacturers to begin instantaneous liquid wax filling.
- It was successfully tested to withstand the high temperatures at the bottom of the candle's container towards the end of its life.
- This hot melt candle glue provides superior heat resistance and minimizes the chance of wick migration.
- During manufacturing, glue deposits are precise, repeatable, and clean without the stringing commonly associated with other hot melt glue.
- Wicks Unlimited supplies and ships RT2315 hot melt candle glue pillows in bulk packaging in quantities as low as 50 lbs.



with other hot melt glues not designed for candle applications. This candle glue works best in conjunction with glue-depositing machinery featuring zero cavity nozzles.

Wicks Unlimited supplies and ships RT2315 hot melt candle glue in bulk packaging in quantities starting at 50 lbs.

To learn more or to request a sample of RT2315 candle glue, scan the QR code below, call (877) 765-0748 or email: sales@wicksunlimited.com.



ISO 9001:2015 Certified • RAL Quality Mark Certified



Waxed Wick on Reels | Wick Clip Assemblies | Sustainers | Technical Services

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Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 3.0

Effective Date: February 21st, 2022

Supersedes : None

Revision : Rev 0

1. Identification of the substance/preparation and of the company/undertaking

Product Identifier / Product name:	APAO Ethylene Copolymer Types: RT1314, RT1330, RT2215, RT2215cs27, RT2215cs48, RT2280, RT2304, RT2315, RT2330, RT2330cs47, RT2385, RT2460, RT2535, RT2535cs14, RT2535cs25, RT2535cs46, RT2585, RT2585cs6, RT3330, RT3360, RT3385, RT3460, RT35105 and RT3585
Chemical Name and or Family or Description:	Amorphous Poly Alpha Olefin Propylene/Ethylene Copolymer, 1-Propene, Polymer with Ethene
Company Information	REXtac LLC 2501 South Grandview Avenue Odessa, TX 79766.
Website	REXtac.com
Telephone Numbers	Transportation Emergency: CHEMTREC (US Transportation): (800) 424-9300 General MSDS Assistance : (432) 332-0058 Technical Information: (432) 332-0058
Material Uses:	Plastics Industry. Adhesives, sealants, compounding, etc..

2. Hazards Identification:

Classification of Product:	Classification according to Regulation (EC) 1272/2008 GHS Pictogram: N/A Hazard Class & Hazard Statement: NA This Product is not classified as Hazard according to Regulation (EC) 272/2008 Classification according to Directive 1999/45/EC Hazard Classification & Warning Symbol: N/A Risk Phase: N/A This Product is not classified as Hazard according to Directive 1999/45/EC.
Label Elements:	Labeling according to Directive 1999/45/EC <i>Warning Symbol: N/A</i> <i>Signal word: N/A</i> <i>Hazard statement: N/A</i> <i>Precautionary statement: N/A</i>
Other Hazards:	Results of PBT and vPvB assessment PBT : Not Applicable vPvB : Not Applicable

3. Composition/Information on ingredients

Substance/Mixture:	Substance
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According to the present knowledge of the supplier, this product does not contain any hazardous ingredients in accordance with EU regulations, OSHA or National regulations.

4. First-aid measures

Inhalation:	Move to fresh air. Treat symptomatically. If symptoms persist, call a physician.
Ingestion:	First aid is not generally required. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Skin contact:	Wash with soap and water. Obtain medical attention if symptoms occur.
Skin contact With molten Product:	<p>In case of burns: Immediately apply cold water to burn either by immersion or wrapping with saturated clean cloth.</p> <p>DO NOT remove or cut away clothing over burnt areas.</p> <p>DO NOT pull away clothing which has adhered to the skin as this can cause further injury.</p> <p>DO NOT break blister or remove solidified material.</p> <p>Quickly cover wound with dressing or clean cloth to help prevent infection and to ease Pain. For large burns, sheets, towels or pillow slips are ideal; leave holes for eyes, nose and mouth.</p> <p>DO NOT apply ointments, oils, butter, etc. to a burn under any circumstances. Water may be given in small quantities if the person is conscious. Alcohol is Not to be given under any circumstances.</p> <p>Treat for shock by keeping the person warm an in a lying position.</p> <p>Seek medical aid and advise medical personnel in advance of the cause and extent of the injury and the estimated time of arrival of the patient.</p> <p>For Thermal Burns. Decontaminate area around burn. Consider the use of cold packs and topical antibiotics.</p>
For first-degree burns (affecting top layer of skin)	<p>Hold burned skin under cool (not cold) running water or immerse in cool water until pain subsides. Use compresses if running water is not available. Cover with sterile non-adhesive bandage or clean cloth.</p> <p>Do NOT apply butter or ointments; this may cause infection.</p> <p>Give over-the counter pain relievers if pain increases or swelling, redness, fever occur.</p>
For second-degree burns	Cool the burn by immersing in cold running water for 10-15 minutes. Use compresses



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(affecting top two layers of skin)

if running water is not available.

Do NOT apply ice as this may lower body temperature and cause further damage.

Do NOT break blisters or apply butter or ointments; this may cause infection.

Protect burn by covering it loosely with sterile, nonstick bandages and secure in place with gauze or tape.

To prevent shock: (unless the person has a head, neck, or leg injury, or it would cause discomfort):

Lay the person flat. Elevate feet about 12 inches.

Elevate burn area above heart level, if possible.

Cover the person with coat or blanket.

Seek medical assistance.

For third-degree burns:

Seek immediate medical or emergency assistance. In the meantime:

Protect burn area cover loosely with sterile, nonstick bandage or, for large areas, a sheet or other material that will not leave lint in wound.

Separate burned toes and fingers with dry, sterile dressings.

Do not soak burn in water or apply ointments or butter; this may cause infection. To prevent shock see above.

For an airway burn, do not place pillow under the person's head when the person is lying down. This can close the airway. Have a person with a facial burn sit up.

Check pulse and breathing to monitor for shock until emergency help arrives.

Eye Contact:

For THERMAL burns: Do NOT remove contact lens

Lay victim down, on stretcher if available and pad BOTH eyes, make sure dressing does not press on the injured eye by placing thick pads under dressing, above and below the eye.

Seek urgent medical assistance, or transport to hospital.

Further Medical Treatment:

Symptomatic treatment and supportive therapy as indicated. Following severe exposure protocols, the patient should be kept under medical review for at least 48 hours.

5. Fire-fighting measures

Special fire-fighting Procedures:

Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Suitable Extinguishing media:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protection of fire-fighters:

Be sure to use an approved/certified respirator or equivalent.



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Combustion products include: Carbon monoxide and Carbon dioxide.

6. Accidental release measures

Environmental precautions and cleanup methods: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and storage

Handling: When handling hot material, use heat resistant gloves.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Store away from direct sunlight or UV rays.

8. Exposure controls/personal protection

Engineering measures: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If heat applied is sufficient to generate smoke, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Occupational Exposure Limits No Occupational Exposure Limit Assigned.

Respiratory System: Be sure to use an approved/certified respirator or equivalent when breathing fumes from molten APAO.

Skin and body: Lab coat. When handling hot material, wear heat-resistant protective gloves that withstand the temperature of molten product. Overalls buttoned to the neck and wrist.

Hands: Use impervious gloves when handling hot material.

Eyes: Safety glasses or goggles should be worn when working with molten material.

9. Physical and chemical properties

Appearance: Solid at room temperature.

Odor: None.

pH: Not Applicable.

Boiling Point: Not Applicable.

Melting point (Softening Pt) > 80-160°C (180-320°F)

Flash point: > 400°F



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Explosive properties: Not applicable.
Vapor pressure: Not applicable.
Solubility: Insoluble in hot and cold water.

10. Stability and reactivity

Stability: The product is stable.

11. Toxicological information

Acute toxicity:

Ingredient Name	Test	Result	Route	Species
1-Propene Copolymer with Ethene	LD50	>5000 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Dermal	Rabbit

Local effects:

- Skin irritation:** Not hazardous in case of skin contact (possible irritant). Molten product causes severe burns.
- Eye irritation:** Not hazardous in case of eye contact (possible irritant). Molten product causes severe burns.
- Chronic toxicity:** Repeated or prolonged exposure is not known to aggravate medical condition.

12. Ecological information

No information available. Non-ionic polymers with MWs > 1,000 that do not contain reactive functional groups and are comprised of minimal low MW oligomers are estimated to display no effects at saturation (NES). These polymers display NES because the amount dissolved in water is not anticipated to reach a concentration at which adverse effects may be expressed.

13. Disposal considerations

Methods of disposal; Waste residues; Contaminated packaging: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

International transport regulations:

- Land - Road/Railway** Not Regulated
- Sea** Not Regulated



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- **Air** Not Regulated

15. Regulatory information

U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

Chemical Name	SARA 302 40CFR 355,Appendix A	SARA 304 40 CFR Table 302.4	SARA 313 40 CFR 372.37.65
Amorphous Poly Alpha Olefin Based Polymer	NO	NO	NO

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information:

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substance

EU Regulations:

Risk Phrases: This product is not classified according to the EU regulations.

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (ethylene/propylene/butene copolymer)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	No (ethylene/propylene/butene copolymer)
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

16. Other information

HISTORY

NA



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Version: 0
Date of Issue: Feb 21st
Revision Information: Last change from SDS Highlighted in Gray

Notice to Reader

While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

Revision History: The following changes are the last 3 made to this document.		
Date	Revised By	Revision Change



Technical Data Sheet

RT 2315

- DESCRIPTION:** Rextac APAO Ethylene copolymer and FDA compliant*.
- FEATURES:** Balance of heat resistance, flexibility and stiffness, good wetting, and medium open time.
- APPLICATIONS:** Component of hot melt adhesives, sealants, and specialty products.

PROPERTIES	TEMP °C	NOMINAL VALUE	SI UNIT	TEMP °F	NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Viscosity	149	4300	MPa s	300	4300	cps	D 3236
	163	2800	MPa s	325	2800	cps	D 3236
	177	2000	MPa s	350	2000	cps	D 3236
	190	1500	MPa s	375	1500	cps	D 3236
	204	1100	MPa s	400	1100	cps	D 3236
Needle Penetration	21	28	1/10 mm				D 1321
Tensile Strength	21	0.62	MPa	73	90	psi	D 638
Softening Point by Ring and Ball		143	°C		290	°F	E 28
Shear Adhesion Failure Temp. (SAFT), Kraft/Kraft		101	°C		214	°F	REXtac LLC Method**
Glass Transition, Tg		-29	°C		-20	°F	D 3418
Open Time, Kraft/Kraft	21	20	seconds				REXtac LLC Method**
Flashpoint, COC		>235	°C		>450	°F	D 93
Solid Density	21	0.86	g/cc				D 792
Melt Density	190	0.74	g/cc	375	6.17	lbs/gal	REXtac LLC Method**

* This product conforms to FDA regulation 21 CFR 175.105

** Available upon request
November 2021

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The data and information represented herein refer to typical values obtained in our laboratories by the methods or apparatuses indicated, and should be so considered. Since processing variables are a major factor in product performance, this information should serve only as a guide. Since customers' testing conditions are outside our control, the reproducibility of our data in a customer's testing facility is not guaranteed. **There is no implied warranty of merchantability or fitness for a particular purpose.** Establishing satisfactory performance of the resin for the intended application is the customer's sole responsibility. No warranty is given concerning the existence or non-existence of any patents claiming any pertinent subject matter presented herein. The Company assumes no obligation, express or implied, or liability for use of the information and data presented.