

SAFETY DATA SHEET

UA-R

Frontier Products Incorporated

Edition Date: 5/26/2019

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade Name UA-R Urethane Adhesive Remover

Intended Use Adhesive Cleaner

Manufacturer Frontier Products Incorporated
4524 J D Mouser Parkway
Alvarado, TX 76009
E-Mail: www.frontierproductsinc.com
Phone: (682) 422-3817

Emergency Telephone Number
CHEMTREC 1-800-424-9300

SECTION 2 HAZARDS IDENTIFICATION

Flammable Liquids, Category 3
Aspiration Toxicity, Category 1



Signal Word Danger

Hazard Statements H226: Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precautionary Statements P210: Keep away from heat, sparks, open flames, hot surfaces and other ignition sources. No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical, ventilating, lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing gas, mist, vapors, spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves, protective clothing, eye protection, face protection.
P235: Keep cool.

Response Statements P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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NFPA Flammable and Combustible Liquids Classification Combustible Liquid Class II



SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel to move away and stay upwind from spill. Stop spill or release only if it can be done safely.
Personal Precautions	Eliminate ignition sources and ventilate area
Protective Equipment	Safety Glasses, Chemical Gloves, Approved Respirator, Chemical Apron and Rubber Boots.
Containment	Use sand or inert non-combustible absorbent pads to prevent spill from spreading.
Clean Up Procedures	Use sand or inert non-combustible absorbent pads or material and place in a chemical waste disposal container.
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations.

SECTION 7 HANDLING AND STORAGE

Handling	COMBUSTIBLE LIQUID, keep away from incompatible materials, sparks, open flames or hot surfaces. Use appropriate safety equipment and adequate ventilation. Avoid eye or skin contact and inhalation of mist, vapor or fumes. May be harmful or fatal if swallowed and enters airways. Do not smoke, eat or drink while using. Wash thoroughly after handling. Avoid release to the environment.
Storage	Keep container closed when not in use. Store in a well-ventilated area and away from incompatible materials. Store away from heat, sparks, open flames or hot surfaces. Store below 90°F and in accordance with Class II Combustible Liquids (GHS Category 3)
Incompatible Materials	Strong oxidizing agents, strong acids, alkalies

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

CAS #	Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68551-16-6	Isoalkanes C9-C11	ND	ND	No data

Respiratory Protection	No personal respiratory protective equipment is normally required when used with adequate ventilation. If irritation is experienced, use a MSHA / NIOSH approved respirator.
Eye Protection	Chemical safety glasses, goggles or face shields are recommended to safeguard against potential eye contact.
Skin Protection	Wear impervious chemical gloves. Wash hands after use.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear
Odor	Mild
Odor Threshold	No data available
Auto-Ignition Temp.	637F
Boiling Point	>350F
Flash Point	118F
Viscosity	1.12 cSt @ 38C (100F)
Solubility	Negligible < 1%
Evaporation Rate	<1
Vapor Density	No data available
Vapor Pressure	1.0 mmHg @ 20C (68F)
VOC	782 g/L
Freezing Point	Undetermined
pH	Undetermined

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under normal conditions of use.
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None are known under normal use.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Decomposition by fire can produce carbon dioxide, carbon monoxide, unburned hydrocarbons and other toxic fumes.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity	Isoalkanes C9-C11	Oral LD50	34,600 mg/kg
		Dermal LD50	15,400 mg/kg
		Inhaled LC50	>12.4 mg/L
Skin corrosion/irritation	May cause irritation, redness, drying or cracking.		
Serious eye damage/irritation	May cause irritation, discomfort, redness or tearing, by direct product contact, mist or vapors.		
Sensitization	No data available.		
Germ Cell Mutagenicity	No data available.		
Reproductive Toxicity	No data available.		
Developmental Toxicity	No data available.		
Carcinogenicity	Not classifiable as a human carcinogen.		
STOT - Single Exposure	Inhalation: May cause drowsiness or dizziness.		
STOT - Repeated Exposure	No data available.		
Target Organs	Eyes, Respiratory tract, Skin.		
Aspiration hazard	May be fatal if swallowed and enters airways.		
Further Information	Preexisting skin, respiratory, disorders may be aggravated by exposure to this product.		

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SECTION 12 ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject	Result Value	Exposure Time	GHS Category
Isoalkanes C9-C11	LC50	Rainbow Trout	1,000 mg/L	96 Hours	4 (>100 mg/L)
	LC50	Water Flea	1,000 mg/L	48 Hours	4 (>100 mg/L)

Persistence And Degradability	Expected to be inherently biodegradable
Bioaccumulative Potential	No data available
Mobility In Soil	No data available
Other Adverse Effects	May be harmful to aquatic life

SECTION 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

Dispose of material and contaminated packaging in accordance with federal, state and local regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number	Not Regulated.
UN Proper Shipping Name	Non Regulated Material
Hazard Class	None. Containers less than 119 gallons not regulated in transport.
Packing group	III
Environmental hazards	Not applicable.

Additional Notes In accordance with 49 CFR 173.150(F) non-bulk containers of this material may be shipped as non-regulated when transported solely by land.

SECTION 15 REGULATORY INFORMATION

TSCA All components are listed on the TSCA inventory.

SARA
Section 302 Not applicable.
Section 313 None of the ingredients are listed.

California Proposition 65 None of the ingredients are listed.
California Right to Know None of the ingredients are listed.
Massachusetts Right to Know None of the ingredients are listed.
Pennsylvania Right to Know None of the ingredients are listed.
New Jersey Right to Know None of the ingredients are listed.

SECTION 16 OTHER INFORMATION

Intentional misuse by deliberately concentrating and inhaling this product can be harmful or fatal. All information contained in this Safety Data Sheet is accurate to the best of our knowledge. No warranty is expressed or implied regarding the accuracy or completeness of this information. No responsibility for personal injury, property damage or consequential damages caused by this product is assumed. The user assumes all risks associated with this product.