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 Telephor	e 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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	all contaminate P304+P340+F rest in a positie doctor/physicia P305+P351+F minutes. Reme rinsing. P331: Do NOT P332+P313: If	ed clothing. Rinse skin 2312: IF INHALED: Ren on comfortable for brea an if you feel unwell. 2338: IF IN EYES: Rins ove contact lenses, if po f induce vomiting.	air): Remove/take off immediately with water/shower. nove victim to fresh air and keep at thing. Call a POISON CENTER or e cautiously with water for several resent and easy to do. Continue let medical advice/attention. and wash before re-use.
Storage Statements	P403+P233: Store in a well ventilated place. Keep container tightly closed. P235: Keep cool. P405: Store locked up.		
Disposal Statements	P501: Dispose regulations.	e of contents/container i	n accordance with applicable
HMIS rating (scale 0 – 4)	HEALTH 1	FLAMMABILITY 2	REACTIVITY 0

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Component Isoalkanes

CAS Number Percent 68551-16-6 100

SECTION 4 FIRST AID MEASURES

- **Eye Contact** Rinse with water for at least 20 minutes while holding eye open. Remove contact lenses if present and easy to do so. If irritation persists seek medical attention.
- **Skin Contact** Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse. If irritation develops seek medical attention.
- Inhalation Move to fresh air. If breathing is difficult, supply oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention if symptoms persist.

Ingestion DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out with water. Contact a physician or poison control center immediately. If vomiting occurs, keep head below hips to prevent aspiration into the lungs. Aspiration into the lungs can cause severe lung damage and can be fatal.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media Use DRY chemicals, CO2 or alcohol foam. Avoid using a water stream.

Special Hazards Do not inhale combustion gases. Burning or thermal decomposition can produce carbon monoxide, carbon dioxide, unburned hydrocarbons, and other toxic fumes.

Advice for Fire Fighters Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear. Do not release extinguishing water into the environment.

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NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class II



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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

HandlingCOMBUSTIBLE 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.

StorageKeep 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

EXPOSURE CONTROLS / PERSONAL PROTECTION

CAS # 68551-16-6	Chemical Nam Isoalkanes C9-0		ACGIH ND	TWA Other Limits No data
Respiratory P	rotection	No personal respiratory prote used with adequate ventilation NIOSH approved respirator.		
Eye Protection	n	Chemical safety glasses, goggles or fa safeguard against potential eye contac		are recommended to
Skin Protectio	on	Wear impervious chemical gl		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 Dermal LD50 Inhaled LC50	34,600 mg/kg 15,400 mg/kg >12.4 mg/L
Skin corrosion/irritation	May cause irritation, re-	dness, drying or	cracking.
Serious eye damage/irritation	May cause irritation, dis contact, mist or vapors		s or tearing, by direct product
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 hu	ıman carcinogen	
STOT - Single Exposure	Inhalation: May cause of	drowsiness or dia	zziness.
STOT - Repeated Exposure	No data available.		
Target Organs	Eyes, Respiratory tract	, Skin.	
Aspiration hazard	May be fatal if swallowe	ed and enters air	ways.
Further Information	Preexisting skin, respirator this product.	atory, disorders r	may be aggravated by exposure

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SECTION 12 ECOLOGICAL INFORMATION

CHEMICAL NAME Isoalkanes C9-C11	Type LC50 LC50	Subject Rainbow Trout Water Flea	Result Value 1,000 mg/L 1,000 mg/L	Exposure Time 96 Hours 48 Hours	GHS Category 4 (>100 mg/L) 4 (>100 mg/L)
Presistence And Deg Bioaccumulative Pote			ed to be inheren a available	tly biodegradable	

Mobility In Soil Other Adverse Effects No data available 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.

Not applicable.

SECTION 15 REGULATORY INFORMATION

TSCA

SARA Section 302 Section 313

None of the ingredients are listed.

All components are listed on the TSCA inventory.

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.

OTHER INFORMATION SECTION 16

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.