

# Material Safety Data Sheet



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## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name **ARON ALPHA TYPE Remover**  
Product number **AA-717**

Emergency Telephone Number

**CHEMTREC (800) 424-9300**

Manufacture's Name  
**Krazy Glue Co., Div. of Toagosei America Inc.**

Telephone Number for Information

Address  
**1450 West Main Street  
West Jefferson, OH 43162**

**(614) 879-9411**

## SECTION 2 - HAZARDS IDENTIFICATION

### 2.1 Emergency Overview

A clear gel with a mint-like odor.

**Caution!**  
**Flammable**

**Warning!**  
May be harmful if inhaled.  
Causes eye irritation

### 2.2 OSHA Regulatory Status

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

### 2.3 Potential Health Effects

#### Route(s) of Entry :

Inhalation?  
Yes

Skin?  
Yes

Ingestion?  
Yes

#### Signs and Symptoms of Exposure

Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), CNS depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, high blood sugar, coma

#### Immediate Hazards

Ingestion: Not expected to be swallowed under normal conditions of use. Small amounts are not likely to cause harmful effects. Large amounts may be harmful.

Inhalation: May be harmful if inhaled if breathed in large amounts. Symptoms are no expected at air concentrations below the recommended exposure limits).

Skin: May cause mild irritation.  
Eyes: May cause irritation such as stinging, tearing, redness and swelling.

**Health Hazards** (Acute and Chronic)

Skin: Prolonged or repeated exposure may dry skin. Symptoms may include redness, burning, dry and cracking of skin, and skin burns.

Ingestion: It can enter the lungs during swallowing or vomiting which causes lung inflammation and other lung injury.

Inhalation: High vapor concentration can induce nasal mucous, headaches, and giddiness

Eye: May cause irritation.

**Medical Conditions Generally Aggravated by Exposure**

Skin, lung, asthma-like conditions, a blood-forming system.

**Note:** None of the components present in this product at concentrations equal to or greater than 0.1% have been listed by NTP, classified by IARC, nor regulated by OSHA as a carcinogen.

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

	Components (Specific Chemical Identity; Common Name(s) and CAS number)	%
1	Acetone (CAS NO. 67-64-1)	≥95
2	Cellulose 2-hydroxypropyl ether (CAS NO. 9004-64-2)	<3
3	Others	<2

**SECTION 4 -FIRST AID MEASURES**

**INGESTION:**

Seek medical attention. Never give anything my mouth to an unconscious person. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. Do not leave unattended.

**INHALATION:**

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Keep warm and quiet. Call a physician.

**SKIN:** In case of skin contact, wash off with soap and plenty of water. Remove contaminated clothing and shoes. Call a physician.

**EYES:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**SECTION 5 -FIRE FIGHTING MEASURES**

**5.1 Flammable Properties**

See section 9 for flammable properties.

## **5.2 Extinguishing Media**

### **5.2.1 Suitable extinguishing media**

Use dry chemical, carbon dioxide (CO<sub>2</sub>) or alcohol resistant foam.

### **5.2.2 Unsuitable extinguishing media**

Water

## **5.3 Protection of firefighters**

### **5.3.1 Specific hazards arising from the chemical**

Unusual Fire and Explosion Hazards

None

### **5.3.2 Protective equipment and precautions for firefighters**

Self-contained breathing apparatus with face piece and protective clothing if involved in a fire of other materials.

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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### **6.1 Personal precautions**

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid breathing vapors, mist or gas. Ventilate area. Eliminate all sources of ignition.

### **6.2 Environmental precautions**

Prevent entry into drains, natural bodies of water and the environment.

### **6.3 Methods for containment**

Material may be taken up with a non-combustible absorbent material (sand or clay).

### **6.4 Methods for clean-up**

Eliminate all sources of ignition.  
Place in container for disposal according to local/national regulations (see section 13).

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## **SECTION 7 - HANDLING AND STORAGE**

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### **7.1 Handling**

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Wash thoroughly after handling. Avoid inhalation of vapor or mist. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use.

### **7.2 Storage**

Keep container tightly closed in a dry and well-ventilated place.  
Store in cool place. Keep away from heat, sparks, flame and other ignition sources.

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**SECTION 8 - PERSONAL PROTECTION / EXPOSURE CONTROLS**

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**8.1 Exposure guidelines**

Component	OSHA		ACGIH		Units
	TWA	STEL	TWA	STEL	
Acetone	1000	N. E.	500	750	ppm
Cellulose 2-hydroxypropyl eth	N. E.	2400	N. E.	1782	mg/m <sup>3</sup>

N. E.= Not Established

**8.2 Engineering controls**

The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

**8.3 Personal protection equipment (PPE)****8.3.1 Eye/face protection**

Wear safety goggles.

**8.3.2 Skin protection**

Wear impervious gloves as required to prevent skin contact.

**8.3.3 Respiratory protection**

Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance OSHA laws and regulations or other applicable standards or guidelines, including ANSI standards regarding respiratory protection.

**8.3.4 General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Avoid breathing vapor. Avoid contact with skin and eyes.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance _____	Clear, colorless gel
Odor _____	Mint-like
Odor Threshold _____	N/A
Physical State _____	Liquid
pH _____	N/A
Melting Point _____	-94C
Boiling Point (@ 532 Pa) _____	56°C/133°F
Flash Point (Closed Cup) _____	-18°C/-0.4°F
Evaporation Rate (Butyl acetate = 1) _____	N/A
Lower explosion limit _____	2.6

Upper explosion limit \_\_\_\_\_ 12.8  
Vapor Pressure (mmHg @ 20°C) \_\_\_\_\_ 187  
(Pa @ 20°C) \_\_\_\_\_ 24931  
Vapor Density (AIR = 1) \_\_\_\_\_ 2.0  
Specific Gravity (H2O = 1 @ 25°C) \_\_\_\_\_ N/A  
Solubility in Water \_\_\_\_\_ Miscible (Acetone)  
VOC content (g/L) \_\_\_\_\_ 0 (SCAQMD Method 316B)  
Partition coefficient \_\_\_\_\_ N/A  
Auto-ignition temperature \_\_\_\_\_ 465°C/869°F  
Decomposition temperature \_\_\_\_\_ N/A

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**SECTION 10 - STABILITY AND REACTIVITY**

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**10.1 Chemical stability**

Unstable:  
Stable: **X**

Stable under normal storage conditions

**10.2 Conditions to avoid**

Sparks, heat and flames.

**10.3 Incompatible materials** (Materials to Avoid)

Strong oxidizing agents, Reducing agents, alkalis, acids.

**10.4 Hazardous decomposition products**

Carbon dioxide and carbon monoxide

**10.5 Possibility of hazardous reactions**

May Occur:  
Not Occur: **X**

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

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**Acute Inhalation Toxicity**

LC 50 Rat: 16000 ppm, 4 h

**Acute Dermal Toxicity**

LD 50 Rabbit: >20,000 mg/kg

**Acute Oral Toxicity**

LD 50 Rat: 5,800 mg/kg

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**SECTION 12 - ECOLOGICAL INFORMATION**

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**Acute and Prolonged Toxicity to Fish**

96 h LC 50 Fathead minnow (*Pimephales promelas*): 8,733-9,482 mg/l Mortality

96 h LC 50 Bluegill (*Lepomis macrochirus*): 8,300 mg/l Mortality

96 h LC 50 Rainbow trout, Donaldson trout (*Oncorhynchus mykiss*): 4,740-6,300 mg/l Mortality

**Additional Results/Data From Relevant Scientific Experiments**

Avoid contamination of the environment because of harmful effects on water organisms, this material should not be introduced into drains.

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**SECTION 13 - DISPOSAL INFORMATION**

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Disposal should be in accordance with applicable local, regional and national laws and regulations.

Local regulations may be more stringent than regional or national requirements.

May contain explosive vapors. DO NOT cut, puncture or weld on or nearby.

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**SECTION 14 - TRANSPORT INFORMATION**

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**14.1 Basic shipping description**

The data provided in this section is for information only and may not be specific to your package size. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

**US DOT**

Unrestricted

**IATA**

Unrestricted

**14.2 Additional Information****Canadian TDG**

WHMIS Classification: this product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

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**SECTION 15 - REGULATORY INFORMATION**

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**15.1 U.S. Federal Regulations**

SARA Title III: Section 311/312

Fire hazard  
Immediate health hazard

SARA Title III Section 313 and 40 CFR Part 372

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

None required per SARA TITLE III SECTION 313.

TSCA Section 8(b) Inventory

All reportable chemical substances are listed on the TSCA Inventory.  
We rely on certifications of compliance from our suppliers for chemical substances not manufactured by us.

## 15.2 Canadian Regulations

Workplace Hazardous Materials Information System (WHMIS)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

CLASS B, DIV 2

Canadian Environmental Protection Act (CEPA)

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

National Pollutant Release Inventory (NPRI)

This product contains the following chemical(s) subject to the reporting requirements of the Canadian Environmental Protection Act (CEPA) subsection 16(1), National Pollutant Release Inventory.

None

## 15.3 State and Local Regulations

California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains the following substance(s) known to the state of California to cause cancer.

Benzene  
2,4,5-Trimethylaniline

This product contains the following substance(s) known to the state of California to cause reproductive harm.

Benzene

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## SECTION 16- OTHER INFORMATION

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To the best of our knowledge, the information contained herein is accurate. However, neither Toagosei America Ltd. nor any of its subsidiaries any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

### HMIS Rating

Health **2**  
Flammability **3**  
Physical Hazard **0**

0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe