Material Safety Data Sheet

KRAZY GLUE CO.

Date revised: 3/6/12
Replaces: 12/14/09

Date of printed: 03/06/12

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	**ARON ALPHA TYPE Accelerator Aerosol**	*Emergency Telephone Number*
Product number	AA-705	**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

Compressed liquefied gas

Caution!
Flammable
Contents Under Pressure
Aerosol. Pressurized container may explode when exposed to heat or flame.

Warning!
May be harmful if inhaled.
Causes eye irritation.
Causes skin 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?	Skin?	Ingestion?
Yes	Yes	Yes

Signs and Symptoms of Exposure

Discomfort in the chest. Corneal damage. Narcosis. Conjunctivitis. Defatting of the skin. Irritation.

Immediate Hazards

Ingestion:	Not expected to be swallowed under normal conditions of use.
Inhalation:	May be harmful if inhaled.

Skin: Causes irritation. May be absorbed through skin.

Eyes: Contact may irritate or burn eyes. Eye contact my result in corneal injury.

Health Hazards *(Acute and Chronic)*

Skin: Prolonged or repeated contact can result in defatting and drying of the skin which may result in irritation and dermatitis.

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

Inhalation: Liquid or vapor may cause irritation of nose, throat, and lungs. Can cause central nervous system depression and delayed lung damage. Intentional misuse can be harmful or fatal.

Eye: May result in corneal injury.

Medical Conditions Generally Aggravated by Exposure

N/A

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)	30-40
2	n-Butane (CAS NO. 106-97-8)	40-50
3	Propane (CAS NO. 74-98-6)	15-20

SECTION 4 -FIRST AID MEASURES

INGESTION:
If accidentally swallowed, have victim rinse mouth thoroughly with water.
Do not induce vomiting without medical advice. If vomiting does occur, lean victim forward to reduce risk of aspiration. Do not give mouth-to-mouth if ingested.
Give artificial respiration with aid of proper respiratory medical device.

INHALATION:
If inhaled, remove to fresh air. 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.
Remove contact lenses, if present and easy to do so. 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

Dry Chemical, carbon dioxide, Alcohol foam, Foam, Water fog.

5.2.2 Unsuitable extinguishing media

Solid water stream may cause fire to scatter and spread.

5.3 Protection of firefighters

5.3.1 Specific hazards arising from the chemical

Unusual Fire and Explosion Hazards

Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back.

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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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).

SECTION 7 -HANDLING AND STORAGE

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. Pressurized container: Do not pierce or burn, even after use. Do not use near ignition sources or if the spray button is missing or defective.

7.2 Storage

Level 3 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed cont can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equippe sprinklers. Store in cool place. Keep away from heat, sparks, flame and other ignition sources.

SECTION 8 -PERSONAL PROTECTION / EXPOSURE CONTROLS

8.1 Exposure guidelines

	OSHA	ACGIH		
Component	TWA	TWA	STEL	Units
Acetone	1000	500	750	ppm
n-Butane	N. E.	1000	N. E.	ppm
Propane	1000	1000	N. E.	ppm

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 e of workday. Avoid breathing vapor. Avoid contact with skin and eyes. Do not use when smoking.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light brown
Odor	Strong, sweet aromatic amine
Odor Threshold	N/A
Physical State	Compressed, liquefied gas
pH	N/A
Melting Point	N/A

Flash Point (Closed Cup)	-156°C/-104.4°F
Evaporation Rate (Butyl acetate = 1)	N/A
Pressure	55-75psig @ 70F
Specific Gravity (H2O = 1 @ 25℃)	0.6327
Solubility in Water	Partially
VOC content (g/L)	N/A (SCAQMD Method 316B)

SECTION 10 - STABILITY AND REACTIVITY

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)

N/A

10.4 Hazardous decomposition products

Oxides of carbon

10.5 Possibility of hazardous reactions

May Occur:
Not Occur: **X**

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Dermal Toxicity

LD 50 Rat: 52214mg/kg estimated

SECTION 12 - ECOLOGICAL INFORMATION

Acute and Prolonged Toxicity to Fish

LC50 Fish: 29.93 mg/L, 96 hours
EC 50 Daphnia: 31911 mg/L, 48 hours

Components of this product have been identified as having potential environmental concerns.

SECTION 13 - DISPOSAL INFORMATION

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.

SECTION 14 – TRANSPORT INFORMATION

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

Proper shipping name: Consumer Commodity
Hazard Class: ORM-D

IATA

Proper shipping name: Aerosols, flammable
Hazard Class: 2.1
UN Number: 1950

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.

SECTION 15 - REGULATORY INFORMATION

15.1 U.S. Federal Regulations

SARA Title III: Section 311/312

Fire hazard
Immediate health hazard
Delayed hazard
Pressure 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 D, DIV 1B
CLASS D, DIV 2B
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.

Propane

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

SECTION 16- OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither Toagosei America Inc. nor any of its subsidiaries assume 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	**1***
Flammability	**4**
Physical Hazard	**0**

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