

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: GLUEY XIV ADHESIVE – AME01028

SKU: ANC0002

CAS NUMBER: MIXTURE

DESCRIPTION: ADHESIVE

MANUFACTURER: AMERICAN NIAGARA

6690 Jones Mill Court BLDG. A
Norcross, GA 30092-4384

Information Phone Number: 770-441-5900

Emergency Phone Number: 800-424-9300-USA / 1-703-527-3887-INTER. (Chemtrec)

SDS Date of Preparation: 7/16/14

Product Use: Adhesive

Restriction on Use: For commercial use only – not packaged or labeled for home use.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification (Hazcom 2012):

For Aerosols:

Flammable Aerosol Category 1

Gas Under Pressure: Compressed gas

Aspiration Toxicity Category 1

Skin Irritation Category 2

Reproductive Toxicity Category 2

Specific Target Organ Toxicity Single Exposure Category 3 (Nervous System)

Specific Target Organ Toxicity Repeated Exposure Category 2

Label Elements:



Danger!

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes skin irritation.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Suspected of damaging fertility or the unborn child.

May cause damage to central nervous system through prolonged or repeated exposure.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, sparks, open flames, hot surfaces – No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Do not breathe mist, vapors, or spray.

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Use only outdoors or in a well-ventilated area.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, and face protection.

IF exposed or concerned: Get medical advice or attention.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Do NOT induce vomiting.

Store in a well-ventilated place. Keep container tightly closed.
Protect from sunlight. Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Store locked up.

Dispose of contents and container in accordance with local, state, and national regulations.

For Cylinders:

Flammable Gases Category 1
Gas Under Pressure: Compressed gas
Aspiration Toxicity Category 1
Skin Irritation Category 2
Reproductive Toxicity Category 2
Specific Target Organ Toxicity Single Exposure Category 3 (Nervous System)
Specific Target Organ Toxicity Repeated Exposure Category 2

Label Elements:



Danger!
Extremely flammable gas.
Contains gas under pressure; may explode if heated.
Causes skin irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.
Suspected of damaging fertility or the unborn child.
May cause damage to central nervous system through prolonged or repeated exposure.

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames, and hot surfaces.-No smoking.
Do not breathe mist, vapors, or spray.
Use only outdoors or in a well-ventilated area.
Wash thoroughly after handling.

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Wear protective gloves, protective clothing, eye protection, and face protection.

IF exposed or concerned: Get medical advice or attention.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice or attention.

Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Do NOT induce vomiting.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Eliminate all ignition sources if safe to do so.

Store in a well-ventilated place. Keep container tightly closed.

Protect from sunlight. Store in a well-ventilated place.

Store locked up.

Dispose of contents and container in accordance with local, state, and national regulations.

Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%	GHS Classification
Dimethyl Ether	115-10-6	35-45	Flammable Gas Category 1 Liquefied Gas Category 1
Hexane	110-54-3	20-30	Flammable Liquid Category 2 Skin Irritant Category 2 Aspiration Toxicity Category 1 Reproductive Toxicity Category 2 Specific Target Organ Toxicity Single Exposure Category 3 (Nervous System) Specific Target Organ Toxicity Repeated Exposure Category 2
Cyclohexane	110-82-7	10-20	Flammable Liquid Category 2 Skin Irritant Category 2 Aspiration Toxicity Category 1 Specific Target Organ Toxicity Single Exposure Category 3 (Nervous System)

SECTION 4: FIRST AID MEASURES

Eye: Rinse thoroughly with water for several minutes, while holding the eye lids open to be sure the material is washed out. Remove contacts if it is safe and easy to do so. Continue rinsing. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash exposed area thoroughly with soap and water for several minutes. Get medical attention if irritation develops. Launder clothing before re-use.

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Inhalation: Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention.

Ingestion: Ingestion is an unlikely route of exposure for aerosol products. If ingestion occurs, DO NOT induce vomiting. Immediately call local poison control center or go to an emergency department. Never give anything by mouth to an unconscious or drowsy person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.

Most Important symptoms and effects, both acute and delayed: Causes eye and skin irritation. Mist may cause respiratory tract irritation. Inhalation of mists or vapors may cause headache, dizziness, nausea and other symptoms of central nervous system depression. Aspiration into lungs during swallowing or vomiting may cause fatal or harmful lung damage. This product contains Hexane which is suspected of causing reproductive harm.

Indication of any immediate medical attention and special treatment needed: Medical attention may be required for eye exposure or inhalation. Get immediate medical attention for ingestion.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Use dry chemical, carbon dioxide, or foam. Use water to cool fire-exposed containers and to protect personnel. Do not direct a solid stream of water or foam into hot, burning pools as this may result in frothing and increase fire intensity.

Special Hazards Arising from the Chemical:

Unusual Fire Hazards: Contents under pressure. Keep away from heat and open flames. Vapors are heavier than air and may travel along the ground to a distant source of ignition and flash back. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F may cause cans to burst. Empty containers may retain product residue including flammable or explosive vapors. DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, and hydrocarbons.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water. Use shielding to protect against bursting containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Evacuate the area promptly and keep upwind of the spilled material. Isolate the spill area to prevent people from entering. Wear appropriate personal protective equipment and clothing during clean-up. Eliminate all sources of ignition. Ventilate area. Avoid releases to the environment.

Methods and Material for Containment and Cleaning Up: Stop discharge if safe to do so. Stop material from contaminating soil or from entering sewers or water streams. Cover spills with inert absorbent and place in closed chemical waste containers.

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SECTION 7: HANDLING AND STORAGE

FOR COMMERCIAL USE ONLY – NOT PACKAGED OR LABELED FOR HOME USE!

Precautions for Safe Handling: Keep product away from heat, sparks or open flame. Avoid contact with eyes and skin. Avoid breathing vapors, mists, or aerosols. Use with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Do not handle or store near an open flame, heat, or other sources of ignition. Contents under pressure. Do not puncture or incinerate container. Do not reuse the empty container.

Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Empty Container Precautions: Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning. Do not use empty containers for food, clothing, or products for human or animal consumption, or where skin contact can occur.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated area at temperatures below 120°F. Do not store in direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Dimethyl Ether	1000 ppm TWA AIHA WEEL
Hexane	50 ppm TWA ACGIH TLV (skin) 500 ppm TWA OSHA PEL
Cyclohexane	100 ppm TWA ACGIH TLV 300 ppm TWA OSHA PEL

Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the occupational exposure limit may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.

Respiratory Protection: For operations where the occupational exposure limit may be exceeded, a NIOSH approved respirator is recommended. Equipment selection depends on contaminant type and concentration; select in accordance with good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Skin Protection: Impervious gloves are recommended for operations which may result in skin contact.

Eye Protection: Wear chemical safety goggles or safety glasses with side shields to prevent eye contact.

Other Protective Equipment: Wear protective clothing if needed to avoid prolonged or repeated skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered before re-use.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear or blue liquid	Vapor Density: Not available
Odor: Sweet pungent	Specific Gravity: 0.77
Odor Threshold: Not available	Water Solubility: Not available
pH: Not available	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: -141.5°C (-222.7°F) (Dimethyl Ether)	Auto ignition Temperature: Not available
Boiling Point: -24.82°C (-12.68°F) (Dimethyl Ether)	Decomposition Temperature: Not available
Flash Point: -42°C (-43.6°F) (Propellant), -26.1°C (-15°F) (Concentrate)	Viscosity: Not available
Evaporation Rate: >1	Explosion Properties: None
Flammable Limits: LEL: 3.4% (Propellant), 1.2% (concentrate) UEL: 27.0% (Propellant), 7.7% (concentrate)	Oxidizing Properties: Not oxidizing
Vapor Pressure: 4450 mmHg @ 25°C (77°F) (Dimethyl Ether)	Aerosol Fire Protection Level: Level 2 Aerosol (NFPA 30B)
Aerosol Flame Extension: Not available	Flashback: Not available
VOC: 65% by weight (589 g/L)	

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Keep away from heat, sparks, flames, and other sources of ignition. Dropping containers may cause bursting.

Incompatible Materials: Avoid strong oxidizing agents, reducers, acids, and alkalis.

Hazardous Decomposition Products: Combustion will produce carbon dioxide, carbon monoxide, and hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: Liquid or mists may cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Skin: Contact with this product may cause irritation, and dry and/or defat the skin.

Inhalation: This product may cause dizziness, nausea, upper respiratory irritation, drowsiness, and mental depression or narcosis, difficulty in breathing, and irregular heartbeats. Prolonged

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and repeated exposure may cause permanent nervous system effects with muscular weakness, numbness, tingling, and loss of sensation.

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, and diarrhea. Fatal or harmful lung damage may occur during swallowing or vomiting.

Chronic Hazards: Prolonged overexposure may cause central nervous system effects. Hexane has been shown to cause reproductive toxicity and/or birth defects.

Carcinogen Status: None of the components of this product are listed as carcinogens by IARC, NTP, or OSHA.

Numerical Measures of Toxicity:

Dimethyl Ether: Inhalation rat LC50 164,000 ppm (309 mg/L)

Hexane: Oral rat LD50 12705 mg/kg; Inhalation rat LC50 > 17600 mg/m³/4hr; Dermal rabbit LD50 > 3.35 g/kg

Cyclohexane: Oral rat LD50 >5000 mg/kg; Inhalation rat LC50 19070 mg/m³/4hr; Dermal rabbit LD50 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Hexane: 96 hr LC50 *Oncorhynchus mykiss* 12.51 mg/l; 48 hr EC50 *daphnia magna* 21.85 mg/L; 72 hr EC50 *Pseudokirchnerella subcapitata* 9.285 mg/L

Cyclohexane: 96 hr LC50 *Pimephales promelas* 4.53 mg/L; 48 hr EC50 *Daphnia magna* 0.9 mg/L

The concentrate in this product is very toxic to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

Persistence and Degradability: Hexane and Cyclohexane are readily biodegradable.

Bioaccumulative Potential: Hexane has a BCF of 170 and Cyclohexane has a BCF of 167, which suggests the potential for bioconcentration is high.

Mobility in Soil: No data available

Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, regional and national regulations. Do not puncture or incinerate containers. When contents are depleted, continue to depress button until all gas is expelled.

SECTION 14: TRANSPORT INFORMATION

Aerosols:

DOT Proper Shipping Name: Limited Quantity

DOT Technical Name: None

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DOT Hazard Class: 2.1

UN Number: UN1950

DOT Labels Required (49CFR172.101): Limited Quantity

Hazardous Substance (49CFR172.101): Cyclohexane (RQ 1,000 lbs)

Reportable Quantity: 5,000 lbs.

IMDG Shipping Description: UN1950, Aerosols, 2.1, FP -42°C, Limited Quantity

ID Number: UN1950

Hazard Class: 2.1

Packing Group: None

Labels Required: None

Marking Required: LTD QTY

Placards Required: Limited Quantity Mark, Marine Pollutant

Cylinders:

DOT Proper Shipping Name: Chemicals Under Pressure, Flammable, N.O.S.

DOT Technical Name: Hexane, Cyclohexane

DOT Hazard Class: 2.1

UN Number: UN3501

DOT Labels Required (49CFR172.101): Flammable 2.1

Hazardous Substance (49CFR172.101): Cyclohexane (RQ 1,000 lbs)

Reportable Quantity: 5,000 lbs.

IMDG Shipping Description: UN3501, Chemicals Under Pressure, Flammable, N.O.S.

Hexane, Cyclohexane, (FP -42°C), 2.1

ID Number: UN3501

Hazard Class: 2.1

Packing Group: None

Labels Required: Flammable 2.1

Marking Required: Marine Pollutant

Placards Required: Flammable 2.1, Marine Pollutant

SECTION 15: REGULATORY INFORMATION

CERCLA 103 Reportable Quantity: Releases of this product in excess of the reportable quantity of 5,000 lbs (based on Cyclohexane of 1000 lbs) are reportable to the National Response Center. Many states have more stringent reporting requirements. Report spills and other releases as required under federal, state and local regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health, Chronic Health, Fire Hazard, Sudden Release of Pressure

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Hexane	110-54-3	20-30%
Cyclohexane	110-82-7	10-20%

Section 302 Extremely Hazardous Substances (TPQ): None

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EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

STATE REGULATIONS:

California Proposition 65: This product contains the following substances known to the State of California to cause cancer and/or reproductive harm: None

SECTION 16: OTHER INFORMATION

Revision Summary: All Sections: New Format

SDS Date of Preparation/Revision: July 16, 2014

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty or guarantee, express or implied, and disclaims all liability arising out of the use of this information.