

Material Safety Data Sheet

Revised Date: Oct/01/2015

Section 1 Chemical Product and Company Identification

Product Name: AXIA GE-2

Product Type: Cyanoacrylate adhesive

Chemical Name: Chemical mixture

Company Address:

DEVTEC ADHESIVE TECHNOLOGY LTD.

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Contact Information:

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Section 2 Hazards Identification

Emergency classification

Flammable liquids; Serious eye damage/eye irritation. Skin corrosion/irritation; Skin sensitization; Specific target organ system toxicity-single exposure

Warning information

GHS Label



Signal word

Warning

Hazard statement

Cause serious eye irritation; Cause Skin irritation; Combustible liquid; May cause allergic skin reaction; May cause respiratory irritation or May cause drowsiness and dizziness

Section 3 Composition / Information on Ingredients

Ethyl Cyanoacrylate (CAS NO. 7085-85-0)

95-100%

Section 4 First aid measures

First Aid: Eyes

If eye contact occurs, hold eyelid open and rinse thoroughly but gently with only water for 15 minutes and GET MEDICAL ATTENTION. Do not use any solvents to flush the eye and its surroundings. Liquid glue will sting eye temporarily. Solidified glue may irritate eye like a grain of sand and should be treated by an eye doctor.

First Aid: Skin

If skin bonding occurs, soak in nail polish remover or acetone and carefully peel or roll skin apart (do not pull).

First Aid: Ingestion

If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.

First Aid: Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician. .

Section 5 Fire Fighting Procedure

General Fire Hazards

See Section 9 for Flammability Properties.

Keep away from heat and flame.

Hazardous Combustion Products

Oxides of carbon.

Extinguishing Media

In case of fire, use water spray, dry chemical, foam or CO₂. Use water to keep fire-exposed containers cool.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

Section 6 Accidental Release Measures

Recovery and Neutralization

Stop the flow of material, if this is without risk.

Materials and Methods for Clean-Up

Eliminate all ignition sources. Soak up with absorbent material and remove to a chemical disposal area.

Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

None

Environmental Precautions

Prevent entry into natural bodies of water.

Prevention of Secondary Hazards

None

Section 7 Precautions for Safe Handling and Storing

Handling Procedures

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.

Storage Procedures

Keep away from amines. Store in cool, dry area away from sun and heat. Keep containers tightly closed. Exposure to small amounts of moisture, even moisture in air, causes polymerization and renders the product unusable. Keep away from heat, sparks, flame and other ignition sources.

Incompatibilities

Water, alcohols, amines, bases and direct UV

Section 8 Exposure Controls / Personal Protection

Component Exposure Limits**Ethyl cyanoacrylate**

ACGIH: 0.2 ppm TWA

Austria : 2 ppm TWA [TMW]; 9 mg/m³ TWA[TMW]

Belgium : 0.2 ppm TWA ; 1.04 mg/m³ TWA

Denmark : 2 ppm TWA ; 10 mg/m³ TWA

Spain : 0.2 ppm TWA[VLE-ED]

Sweden : 2 ppm LLV ; 10mg/m³ LLV. 4ppm STV ; 20mg/m³ STV

Engineering Measures

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: Hands

Wear appropriate chemical resistant gloves.

Personal Protective Equipment: Eyes

Use goggles if contact is likely.

Personal Protective Equipment: Skin and Body

Wear appropriate chemical resistant clothing.

Section 9 Physical/Chemical Characteristics

Appearance	Clear
Physical State	Liquid
Vapor Pressure	0.13mmHg @20 °C
Boiling point	195 °C
Solubility (in H₂O)	Insoluble
Freezing point	NA
VOC	NA
Flash point	83 °C
Viscosity(cps,@20 °C)	3 cps @ 25 °C
Odor	Irritating
pH	NA
Vapor Density (air=1)	> 1
Specific gravity	1.03
Burning rate	NA
Melting Point	NA
Evaporation Rate	< 1
Octanol/H₂O Coeff	NA
Flash point method	CC (Closed Cup)
Auto ignition	485 °C
UFL	NA
LFL	NA

Section 10 Chemical Stability & Reactivity Information

Chemical Stability

Normally stable, but may become unstable at high temperatures or may react with water.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

Exposure to heat, flame and incompatibles.

Incompatible Products

Water, alcohols, amines, bases and direct UV.

Hazardous Decomposition Products

Oxides of carbon.

Section 11 Toxicological Information

Acute Toxicity

A. General Product Information

None anticipated under normal product use conditions.

B. Component Analysis - LD50/LC50

Ethyl cyanoacrylate (7085-85-0)

Oral LD50 Rat >5 mL/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Bonds skin instantly. Causes irritation.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Bonds eyelids instantly. Causes irritation.

Potential Health Effects: Ingestion

This product is not reported to have any ingestion hazards.

Potential Health Effects: Inhalation

May be harmful if inhaled. Vapor may cause irritation of nose, throat and lungs.

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have skin sensitization effects.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

Carcinogenicity

A. General Product Information

No information available for the product.

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specified target organ single exposure effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any specified target organ repeat exposure effects.

Aspiration Respiratory Organs Hazard

This product is not reported to have any aspiration hazards

Section 12 Ecological Information

Ecotoxicity**A. General Product Information**

No information available for the product.

B. Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethyl cyanoacrylate : No information available

Persistence/Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility in Soil

No information available for the product.

Section 13 Disposal Considerations

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 Transportation Information

IATA Information

Shipping Name: Not Regulated

ICAO Information

Shipping Name: Not Regulated

IMDG Information

Shipping Name: Not Regulated

Section 15 Regulatory Information

Hazard labels : Xi irritant

R-phrases : R36/38 Irritating to eyes and skin. R43 May cause sensitization by Skin contact.

S-Phrases : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise. S28 After contact with Skin, wash immediately with plenty water and soap.

S37/39 wear suitable gloves and eye/face protection.

Section 16 Other Information

The data contained herein are furnished for information only and are believed to be reliable. However, Supplier does not assume responsibility for any results obtained by persons over whose methods supplier has no control. It is the user's responsibility to determine the suitability of supplier products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of supplier products. In light of the foregoing, specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of supplier products. The supplier further disclaims any liability for consequential or incidental damages of any kind, including lost profits.
