



Waterbased Low Energy Acrylic Pressure Sensitive Adhesive

1 Identification

GHS Product Identifier

ACA 20-113

Other means of identification

Moisture Resistant Pressure Sensitive Adhesive for Low Energy Surfaces

Recommended use of the chemical and restriction on use

Recommended for application to low energy surfaces, e.g. aliphatic polymers, where shear is low.

Supplier's details

Akron Coating and Adhesives
365 Stanton Avenue
Akron, Ohio 44301
Phone: 330-724-4716
Fax: 330-724-5923

Emergency phone number

1-330-724-4716 Weekdays 8am-4pm EST

2 Hazard(s) identification

Classification of the substance or mixture

Not hazardous.

GHS label elements

Warning



IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

Fight fire with normal precautions from a reasonable distance.

Other hazards which do not result in classification

N/A

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Acrylic Copolymer			36 - 39	
Rosin Ester			15 - 17	

Water	7732-18-5	43 - 46
Acrylic Polymer, Sodium Salt		0 - 1
Ethoxylated Acetylenic Diols		0 - 1
Polyglycol Ester		0 - 1
		0

4 First-aid measures

Description of necessary first-aid measures

Eyes: Immediately flush with water, occasionally lifting the upper and lower eyelids. Get medical attention.

Skin: Wash hand with soap and water.

Ingestion: Do not induce vomiting, and never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Remove to fresh air immediately if breathing is difficult. If breathing has stopped, give artificial respiration.

Most important symptoms/effects, acute and delayed

Acute exposure

Eyes: Irritation consisting of reversible redness, swelling, tearing, and mucous discharge to the conjunctiva.

Skin: N/A.

Ingestion: No data is available on the effects of acute ingestion of this product. However, ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, lethargy, or diarrhea.

Inhalation: If inhaled, may cause irritation to the upper respiratory tract. Any irritation would be transient with no permanent damage expected. Inhalation of high concentrations may cause headache, dizziness, drowsiness, and nausea.

Chronic exposure

Eyes: Irritation consisting of reversible redness, swelling, tearing, and mucous discharge to the conjunctiva.

Skin: Since liquid material may be absorbed through the skin, prolonged or repeated contact may result in absorption of harmful amounts. Prolonged or repeated skin contact may cause dermatitis. Repeated or prolonged skin contact may also cause some individuals to develop skin rash or other skin complications due to allergic skin sensitization.

Ingestion: No known or reported effects.

Inhalation: Prolonged or repeated inhalation of this product may cause allergic respiratory sensitization.

Indication of immediate medical attention and special treatment needed, if necessary

N/A

5 Fire-fighting measures

Suitable extinguishing media

Choose appropriate extinguishing media for surrounding materials

Specific hazards arising from the chemical

N/A

Special protective actions for fire-fighters

Use a NIOSH approved positive pressure self-contained breathing apparatus when this material is involved in a fire.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Respiratory Protection:	Respiratory protection not normally needed. If vapors, mists, or aerosols are generated, wear a NIOSH approved respirator.
Ventilation:	Local exhaust ventilation is recommended if vapors, mists or aerosols are generated.

	Otherwise, use general exhaust ventilation.
Skin And Eye Protection:	Wear impervious gloves, boots, apron and a face shield with safety glasses or chemical goggles.
Other:	Eye wash and safety shower should be available in the immediate work vicinity

Environmental precautions

Air Release: Vapors may be suppressed by the use of water fog or spray. Contain all liquid for disposal.

Water Release: Notify all downstream water users of possible contamination. Divert water flow around spill if possible and safe to do so. If unable to divert, create an overflow dam to contain material. Continue to handle as described in land spill.

Land Spill: Confine to a small area. Use absorbent to clean up. Place in appropriately marked container for disposal.

Methods and materials for containment and cleaning up

Waste Disposal Method: Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues, and containers, in compliance with all relevant local, state, and federal laws and regulations regarding treatment, storage, and disposal for hazardous and nonhazardous wastes.

7 Handling and storage

Precautions for safe handling

General Hygiene Practices: Wash hands thoroughly after handling. Wear gloves and appropriate eye protection. Eye wash and safety shower should be available in the immediate work vicinity.

Handling Precautions: Do not take internally. Avoid contact with skin, eyes, and clothing. Upon contact with skin or eyes, wash off with water, avoid breathing mist or vapor.

Conditions for safe storage, including any incompatibilities

Appropriate Storage Conditions: Store in a dry place in sealed containers. Close container when not in use. Do not expose to direct sunlight or area where temperature can exceed 140°F. Do not store below 32°F

Incompatible materials for storage or transport: Steel containers may rust.

Incompatible materials for packaging: Strong oxidizers.

8 Exposure controls/personal protection

Control parameters

<i>Chemical Name</i>	<i>Exposure Standards</i>
Vinyl Acrylic Copolymer	None Established
Rosin Ester	None Established
Water	None Established
Acrylic Polymer, Sodium Salt	None Established
Ethoxylated Acetylenic Diols	None Established
Polyglycol Ester	None Established

Appropriate engineering controls

N/A

Individual protection measures

Respiratory Protection: Respiratory protection is generally not needed. If vapors, mists or aerosols are generated, wear a NIOSH approved respirator.

Ventilation: Local exhaust ventilation is recommended if vapors, mists, or aerosols are generated. Otherwise, use general exhaust ventilation.

Skin and Eye Protection: Wear impervious gloves, boots, apron and safety glasses or chemical goggles.

Other: Eye wash and safety shower should be available in the immediate vicinity.

Hygienic Practices: Wash hands thoroughly after handling. Upon contact with skin, wash off with water, and avoid breathing mist or vapor.

9 Physical and chemical properties

Physical and chemical properties

Appearance:	Milky white liquid
Melting Point:	Not applicable
Freezing Point:	0° C (32° F)
Boiling Point:	100° C (212° F)
Decomposition Temperature:	No Data
Specific Gravity:	Approximately 1
Bulk Density:	Approximately 1 (g/cc)
pH @ 25° C:	7-8
Vapor Pressure @ 25° C:	23.756 mm Hg
Solubility in Water:	Not Applicable (Product is a dispersion)
Volatiles, Percent by Volume:	45-50
Evaporation Rate:	< 1 (Water = 1)
Vapor Density:	Similar to water
Molecular Weight:	Not Applicable / Mixture
Odor:	Characteristic
Coefficient of Oil/Water Distribution:	Not available

10 Stability and reactivity

Reactivity

N/A

Chemical stability

Stable at temperatures below 140°F

Possibility of hazardous reactions

No data available.

Conditions to avoid

Avoid high temperatures (above 140°F), incompatible materials, and combustion of dry adhesive.

Incompatible materials

Strong Oxidizers, mineral acids

Hazardous decomposition products

Combustion products may include oxides of carbon and nitrogen, and sulfur.

11 Toxicological information

Toxicological (health) effects

Inhalation

Acute:	If inhaled, may cause irritation to the upper respiratory tract. Any irritation would be
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	transient with no permanent damage expected. Inhalation of high concentrations may cause headache, dizziness, drowsiness, and nausea.
Chronic:	Prolonged or repeated inhalation of this product may cause allergic respiratory sensitization.

Skin

Acute:	Skin contact may produce mild irritation consisting of transient redness. This irritant effect would not result in permanent damage.
Chronic:	Since liquid material may be absorbed through the skin, prolonged or repeated contact may result in absorption of harmful amounts. Prolonged or repeated skin contact may cause dermatitis. Repeated or prolonged skin contact may also cause some individuals to develop skin rash or other skin complications due to allergic skin sensitization.

Eye

<p>Contact with the eyes would be expected to cause irritation consisting of reversible redness, swelling, tearing, and mucous discharge to the conjunctiva. Blurred vision may occur.</p>
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Ingestion

Acute:	No data is available on the effects of acute ingestion of this product. However, ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, lethargy or diarrhea.
Chronic:	There are no known or reported effects from chronic exposure

Numerical measures of toxicity (such as acute toxicity estimates)

Numerical Measures of Toxicity:

Acute Target organ Toxicity	May cause skin, eye, mucous membrane, and respiratory tract irritation. Inhalation of high concentrations of vapors may cause dizziness or drowsiness.
Skin Corrosion/Irritation	May cause skin irritation
Serious Eye Damage/Irritation	May cause eye irritation
Respiratory Or Skin Sensitization	May cause transient irritation with acute exposure. Prolonged or repeated contact may cause dermatitis.
Germ Cell Mutagenicity	Not Mutagenic
Carcinogenicity	Not considered a carcinogen.
Reproductive Toxicity	No Data Available
Aspiration Hazard	No Data Available
Aquatic Toxicity:	Not toxic to aquatic life.
Chronic Target Organ Toxicity:	This product may cause dermatitis upon prolonged or repeated skin contact.

Interactive effects

No Data Available

Mixtures

N/A

Mixture versus ingredient information

N/A

Other information

None of the ingredients of this product are listed on NTP (National Toxicology Program), IARC (International Agency for Research on Cancer, or found to be potential carcinogen by OSHA.

Information on the likely routes of exposure

Skin, Eyes, Inhalation, Ingestion

Symptoms related to the physical, chemical and toxicological characteristics

N/A

Delayed and immediate effects and also chronic effects from short and long term exposure

Acute Effects

Eyes: Contact with the eyes would be expected to cause irritation consisting of reversible redness, swelling, tearing, and mucous discharge to the conjunctiva.

Skin: Skin contact may produce mild irritation consisting of transient redness. This irritant effect would not result in permanent damage.

Ingestion: No data is available on the effects of acute ingestion of this product. However, ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, lethargy or diarrhea.

Inhalation: If inhaled, may cause irritation to the upper respiratory tract. Any irritation would be transient with no permanent damage expected. Inhalation of high concentrations may cause headache, dizziness, drowsiness, and nausea.

Chronic Effects:

Inhalation: Prolonged or repeated inhalation of this product may cause allergic respiratory sensitization.

Skin: Since liquid material may be absorbed through the skin, prolonged or repeated contact may result in absorption of harmful amounts. Prolonged or repeated skin contact may cause dermatitis.

Sensitization: Repeated or prolonged skin contact may also cause some individuals to develop skin rash or other skin complications due to allergic skin sensitization.

12 Ecological information

Toxicity

No data. Believed to be slightly toxic.

Persistence and degradability

No Data Available

Bioaccumulative potential

No Data Available

Mobility in soil

No Data Available

Other adverse effects

No Data Available

13 Disposal considerations

Disposal methods

Material Waste: Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Use a licensed chemical waste disposal firm for proper disposal.

Packaging and Containers: Disposal must be in accordance with applicable federal, state /provincial, and/or local regulations.

14 Transport information

UN Number

N/A

UN Proper Shipping Name

Not Regulated for non-bulk quantities

Transport hazard class(es)

N/A

Packing group, if applicable

N/A

Environmental hazards

N/A

Special precautions for user

N/A

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

N/A

15 Regulatory information**Safety, health and environmental regulations specific for the product in question**

TSCA – The components of this developmental product are listed on the Toxic Substances Control Act Chemical Substance Inventory

This product contains a component that is subject to 40CFR 721.80(f), 721.90(a)(4), (b)(4) (where n=10) and 721.125 (a), (b), (c), (i), and (k). For additional assistance contact Akron Coating & Adhesives.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 – PROPOSITION 65: “WARNING: This product contains detectable amounts of a chemical (s) known to the State of California to cause cancer and/or birth defects or other reproductive harm.”

SARA – This developmental product contains a toxic chemical or chemicals subject to the reporting requirement of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR 372.

CHEMICALS LISTED ARE : N-Methylpyrrolidone and Triethylamine

16 Other information**Other information**

Disclaimer: The information provided on this SDS is the best estimate of technically qualified individuals but may not be based on direct toxicology testing or experience in emergency situations. It must be used by or under the direct supervision of technically qualified individuals (as defined in 40cfr 710.2). Because safety standards and regulations are subject to change and because Akron Coating & Adhesives has no continuing control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law. Akron Coating & Adhesives makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use. IF THIS SDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT AKRON COATING & ADHESIVES AT 330-724-4716 TO MAKE SURE THAT THIS SHEET IS CURRENT.

Consult plant procedures in the event of a spill or leak for handling and environmental information

THIS SAFETY DATA SHEET (SDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THIS PRODUCT MAY BE CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD. (REFER TO THE OSHA CLASSIFICATION IN SEC I.) THIS INFORMATION IS REQUIRED TO BE DISCLOSED FOR SAFETY IN THE WORKPLACE. THE EXPOSURE TO THE COMMUNITY, IF ANY, IS QUITE DIFFERENT.