



Akron Coating & Adhesives
365 Stanton Ave.
Akron, Ohio 44301
Phone: 330-724-4716 FAX: 330-724-5923

**MATERIAL
SAFETY DATA**

ACA-10-111 GHS Compliant MSDS

SECTION I- PRODUCT AND COMPANY IDENTIFICATION

Product Name: ACA-10-111

Manufacturer: Akron Coating & Adhesives 365 Stanton Ave. Akron Oh 44301

PHONE: 330-724-4716 FAX: 330-724-5923

Emergency Information Telephone Number 1-330-724-4716 Weekday hours 8 a.m. to 4 p.m. EST

SECTION 2- HAZARD IDENTIFICATION

EFFECTS OF EXPOSURE

INHALATION: Slightly hazardous

SKIN CONTACT: Slightly hazardous in case of skin contact (sensitizer).

EYE CONTACT: Hazardous

MEDICAL CONDITIONS PRONE TO AGGRAVATION: No Data

PRIMARY ROUTE OF ENTRY: DERMAL, INHALATION, INGESTION

HMIS (0 TO 4)	
HEALTH	2
FIRE HAZARD	1
REACTIVITY	0

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

Product Composition

(Mixture)

Chemical Identity CAS or Chemical Name:	CAS Number:	Percent	Hazardous Per 29 CFR 1910.1200:
Isopropyl Alcohol	67-63-0	13.5%	Yes

SECTION 4-FIRST AID MEASURES

Always seek professional medical attention after first aid measures are provided.

Emergency First Aid procedures

Eyes: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Most Important Symptoms/side effects

Acute exposure

Eyes: Not available.

Skin: Not available.

Ingestion: Not available.

Inhalation: Not available.



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Chronic exposure

Eyes: Not available.
Skin: Not available.
Ingestion: Not available.
Inhalation: Not available.

SECTION 5-FIREFIGHTING MEASURES

Flash Point: CLOSED CUP: 11.667°C (53°F) - 12.778 deg. C (55 deg. F) (TAG)

Extinguishing Media: Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Unusual Fire and Explosion Hazard: Highly flammable in presence of heat, open flame or sparks. Flammable in presence of oxidizing materials. Vapor may travel considerable distance to source of ignition and flash back. CAUTION: MAY BURN WITH NEAR INVISIBLE FLAME. Hydrogen peroxide sharply reduces the auto ignition temperature of Isopropyl alcohol. After a delay, Isopropyl alcohol ignites on contact with dioxygenyl tetrafluoroborate, chromium trioxide, and potassium tert-butoxide. When heated to decomposition it emits acrid smoke and fumes.

Protective equipment and precautions for firefighters: Secondary alcohols are readily auto oxidized in contact with oxygen or air, forming ketones and hydrogen peroxide. It can become potentially explosive.

Special protective actions for firefighters: No Data

SECTION 6- ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8.

Steps to be taken in case material is released or spilled

Air Release: None

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.

Waste Disposal Method: See Section 13 for disposal information.

SECTION 7- HANDLING AND STORAGE

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.

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 140⁰F. Do not store below 32⁰F

Incompatible materials for storage or transport: Unprotected Steel

Incompatible materials for packaging: Steel containers may rust

SECTION 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Standards				
Isopropyl Alcohol		OSHA PEL		ACGIH (TLV)	
		ppm	mg/m ³	ppm	mg/m ³
	TWA	400	None	None	None
	CEILING	None	None	None	None
	STEL	500	None	500	None



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Respiratory Protection: Vapor respirator.

Ventilation: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Skin and Eye Protection: Splash goggles. Lab coat. Gloves.

Other: Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hygienic Practices: Wash hands thoroughly after handling material and before eating or drinking.

SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Odor: Pleasant. Odor resembling that of a mixture of ethanol and acetone.	Upper/Lower Flammability: No Data, should be non-flammable (water-based)
Odor Threshold: 22 ppm (Sittig, 1991) 700 ppm for unadapted panelists (Verschuren, 1983).	Vapor Pressure(@ 25⁰ C): No Data
pH: Not available.	Vapor Density:
Melting Point: -88.5°C (-127.3°F) Freezing Point:	Relative Density :
Initial Boiling Point And Boiling Range: Approximately 100C (212F)	Solubility: Easily soluble in cold water, hot water, methanol, diethyl ether, n-octanol, and acetone. Insoluble in salt solution. Soluble in benzene. Miscible with most organic solvents including alcohol, ethyl alcohol, chloroform.
Flash Point: CLOSED CUP: 11.667°C (53°F) - 12.778 deg. C (55 deg. F) (TAG)	Partition Coefficient: N-Octanol/Water: The product is equally soluble in oil and water; log(oil/water) = 0.1
Evaporation Rate: No Data	Auto ignition Temperature: No Data
Flammability (Solid, Gas) : Not Applicable	Decomposition Temperature: No Data

SECTION 10- STABILITY AND REACTIVITY

Chemical Stability: The product is stable.

Possibility of hazardous Reactions: Reacts violently with hydrogen + palladium combination, nitroform, oleum, CoCl₂, aluminum triisopropoxide, oxidants. Incompatible with acetaldehyde, chlorine, ethylene oxide, isocyanates, acids, alkaline earth, alkali metals, caustics, amines, crotonaldehyde, phosgene, ammonia. Isopropyl alcohol reacts with metallic aluminum at high temperatures. Isopropyl alcohol attacks some plastics, rubber, and coatings. Vigorous reaction with sodium dichromate + sulfuric acid.

Conditions to avoid: Heat, ignition sources, incompatible materials

Incompatible Materials: Reactive with oxidizing agents, acids, alkalis.

Hazardous decomposition products: No Data

Organic peroxides, pyrophoric, unstable (reactive) or water reactive hazards: No Data

Hazardous Polymerization: Will not occur.

Reactivity: Reactive with oxidizing agents, acids, alkalis.

Shelf life: One Year



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SECTION 11-TOXICOLOGY INFORMATION

Warning Statements and Warning Properties

May cause skin, eye and respiratory irritation. Prolonged or repeated skin contact may cause dermatitis. Inhalation of high concentrations may cause dizziness or drowsiness.

Acute Symptoms/Signs of exposure

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.

Toxicity:

Acute Target organ Toxicity	May cause damage to the following organs: kidneys, liver, skin, central nervous system (CNS).
Skin Corrosion/Irritation	May cause defatting of the skin and dermatitis and allergic reaction
Serious Eye Damage/Irritation	No Data Available
Respiratory Or Skin Sensitization	No Data Available
Germ Cell Mutagenicity	No Data Available
Carcinogenicity	(Not classifiable for human or animal.)
Reproductive Toxicity	Classified Reproductive system/toxin/female, Development toxin [POSSIBLE].
Aspiration Hazard	No Data Available
Aquatic Toxicity:	No Data Available
Chronic Target Organ Toxicity:	This product may cause dermatitis upon prolonged or repeated skin contact.

SECTION 12-ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxicity in water (LC50): 100000 mg/l 96 hours [Fathead Minnow]. 64000 mg/l 96 hours [Fathead Minnow].

Persistence and degradability: No Data Available

Bio-accumulative potential: No Data Available

Mobility in soil: No Data Available

Other adverse effects: No Data Available

Environmental Data

There are no environmental data available for this product or its components.



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SECTION 13-DISPOSAL CONSIDERATION

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.

SECTION 14-TRANSPORTATION INFORMATION

US DOT

UN/NA: N/A **PROPER SHIPPING NAME:** Not regulated for non-bulk quantities

TRANSPORT HAZARD CLASS: N/A **PACKING GROUP:** N/A **MARINE POLLUTANT:** NO

SPECIAL PRECAUTIONS: N/A

SECTION 15- REGULATORY INFORMATION

CHEMICAL NAME	TSCA

FOR ADDITIONAL ASSISTANCE CONTACT AKRON COATING & ADHESIVES PHONE: 330-724-4716

SECTION 16- OTHER INFORMATION

Current issue date: May 1, 2014 Rev. 2

Disclaimer: The information provided on this MSDS 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 40 CFR 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 MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT AKRON COATING & ADHESIVES AT 330-724-4716 TO MAKE SURE THAT THIS SHEET IS CURRENT.

THIS MATERIAL SAFETY DATA SHEET (MSDS) 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 1.) THIS INFORMATION IS REQUIRED TO BE DISCLOSED FOR SAFETY IN THE WORKPLACE. THE EXPOSURE TO THE COMMUNITY, IF ANY, IS QUITE DIFFERENT.

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