



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

**MATERIAL  
SAFETY DATA**

**ACA-10-110 GHS Compliant MSDS**

**SECTION I- PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** ACA-10-110

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

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

**24 Hour Emergency Information Telephone Number 1-330-329-0098**

**SECTION 2- HAZARD IDENTIFICATION**

**EFFECTS OF EXPOSURE**

**INHALATION:**

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

**EYE CONTACT:** Contact with the eyes would be expected to cause irritation

**MEDICAL CONDITIONS PRONE TO AGGRAVATION:** Skin contact may aggravate existing dermatitis

**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	11%	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 open flames and sparks, of heat. Flammable in presence of oxidizing materials. Nonflammable in presence of shocks. 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 dioxigenyl 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:** N/A

**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:** N/A

**Water Release:** Report immediately to responsible authorities.

**Land Spill:** Flammable liquid. Keep away from heat. Keep away from sources of ignition. Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Waste Disposal Method:** See Section 13 for disposal information.

**SECTION 7- HANDLING AND STORAGE**

**Handling Precautions:** Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

**Appropriate Storage Conditions:** Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

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

**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/m3	ppm	mg/m3
	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**

<b>Appearance:</b> Milky off white liquid	
<b>Odor:</b> Pleasant. Odor resembling that of a mixture of ethanol and acetone.	<b>Upper/Lower Flammability:</b> No Data
<b>Odor Threshold:</b> 22 ppm (Sittig, 1991) 700 ppm for unadapted panelists (Verschuren, 1983).	<b>Vapor Pressure( @ 25<sup>0</sup> C):</b> No Data
<b>pH:</b> Not available.	<b>Vapor Density:</b> No Data
<b>Melting Point:</b> No data <b>Freezing Point:</b> 0C (32F)	<b>Relative Density:</b> No Data
<b>Initial Boiling Point And Boiling Range:</b> No Data	<b>Solubility:</b> 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.
<b>Flash Point: CLOSED CUP:</b> 11.667°C (53°F) - 12.778 deg. C (55 deg. F) (TAG)	<b>Partition Coefficient: N-Octanol/Water:</b> The product is equally soluble in oil and water; log(oil/water) = 0.1
<b>Evaporation Rate:</b> No Data	<b>Auto ignition Temperature:</b> No Data
<b>Flammability (Solid, Gas) :</b> Not Applicable	<b>Decomposition Temperature:</b> 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, COCl<sub>2</sub>, 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:**

**Organic peroxides, pyrophoric, unstable (reactive) or water reactive hazards:**

**Hazardous Polymerization:** Will not occur.

**Reactivity:** Reactive with oxidizing agents, acids, alkalis.

**Shelf life:** 1 Year

**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.



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**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:**

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

**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.



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### 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
Isopropyl Alcohol	N/A

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

### SECTION 16- OTHER INFORMATION

**Current issue date:** July 19, 2012 Rev. 1

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

**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 I.) THIS INFORMATION IS REQUIRED TO BE DISCLOSED FOR SAFETY IN THE WORKPLACE. THE EXPOSURE TO THE COMMUNITY, IF ANY, IS QUITE DIFFERENT.**