



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

**MATERIAL
SAFETY DATA**

EMERGENCY PHONE : 1-330-329-0098

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

I – PRODUCT IDENTIFICATION

Product Name:	ACA-15-112
Synonyms:	Liquid Wart Remover
Chemical Family:	Hydrocarbon
Formula:	Not applicable/Mixture
Description:	Collodion based liquid wart remover
Hazard Classification:	Skin, eye, and respiratory irritant
Revision No.:	1
Revision Date:	12/5/07
Akron Coating & Coatings MSDS No:	None

II – COMPONENT DATA

Product Composition

CAS or Chemical Name:	Salicylic Acid
CAS Number:	69-72-7
Percentage Range:	17 %
Hazardous Per 29 CFR 1910.1200:	No
Exposure Standards:	TWA STEL OSHA 5mg/cu m

CAS or Chemical Name:	Flexible Collodion
CAS Number:	Mixture
Percentage Range:	83 %
Hazardous Per 29 CFR 1910.1200:	No
Exposure Standards:	TWA STEL OSHA 400 ppm

III – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

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

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^o F.

PRODUCT STABILITY AND COMPATIBILITY:

SHELF LIFE LIMITATIONS:	Two years
INCOMPATIBLE MATERIALS FOR PACKING	N/A
INCOMPATIBLE MATERIALS FOR STORAGE OR TRANSPORT:	Strong oxidizers



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IV – PHYSICAL DATA

Appearance:	Pale yellow, slightly viscous
Melting Point:	-189 ⁰ F
Freezing Point:	Not applicable
Boiling Point:	104 ⁰ F
Decomposition Temperature:	No Data
Specific Gravity:	Approximately 0.8
Bulk Density:	Approximately 1.1 (g/cc)
pH @ 25 ⁰ C:	Not applicable
Vapor Pressure @ 25 ⁰ C:	440 @ 68 ⁰ F
Solubility in Water:	Slightly Soluble
Volatiles, Percent by Volume:	83 %
Evaporation Rate:	37.5
Vapor Density:	2.6
Molecular Weight:	Not applicable (mixture)
Odor:	Strong hydrocarbon
Coefficient of Oil/Water Distribution:	Not available

V – PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS

Personal Protection for Routine Use of Product:

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. A full impervious suit is recommended if exposure is possible to large portion of body.
Other:	Eye wash and safety shower should be available in the immediate work vicinity

VI – FIRE AND EXPLOSION HAZARD INFORMATION

Flammability Data:

Explosive:	No
Flammable:	Yes
Combustible:	Yes
Pyrophoric:	No
Flash Point:	< 26 ⁰ F
Autoignition Temperature:	356 ⁰ F to 374 ⁰ F
Flammable Limits at Normal Atmospheric Temperature and Pressure (Percent Volume in Air):	LEL – 1.9 UEL - 36



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NFPA Ratings:

Health:	1
Flammability:	4
Reactivity:	0
Special Hazard Warning	DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. AFFECTS CENTRAL NERVOUS SYSTEM. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY AFFECT LIVER, BLOOD, AND REPRODUCTIVE SYSTEM.

HMIS Rating:

Health:	1
Flammability:	4
Reactivity:	0

Extinguishing Media:

Dry chemical, foam or carbon dioxide. Treat as a flammable gas in a fire situation. Water spray may be used to keep fire exposed containers cool.

Fire Fighting Techniques and Comments:

Above the flash point, explosive vapor-air mixtures may be formed. Sealed containers may rupture when heated. May form explosive peroxides on long standing or after exposure to air or light. May explode when brought in contact with nitric acid. Sensitive to mechanical impact when dry. Sensitive to static discharge.

VII – REACTIVITY INFORMATION

Conditions Under Which This Product May Be Unstable:

Temperatures Above:	Stable at temperatures below 104 ⁰ F
Mechanical Shock or Impact:	Heat, light, and long standing contribute to instability. Reacts with air to form explosive peroxides. Do not allow the solvents to evaporate from the product. The dry material is shock sensitive.
Electrical (Static) Discharge:	May cause fire
Hazardous Polymerization:	Will not occur
Incompatible Materials:	Acetyl peroxide, liquid air, bromoazide, chlorine, strong oxidizers, strong acids, strong bases and amines.
Hazardous Decomposition:	Burning may produce toxic fumes of cyanide, carbon dioxide, carbon monoxide and oxides of nitrogen.

Summary of Reactivity:

Explosive:	Yes
Oxidizer:	No
Pyrophoric:	No
Organic Peroxide:	No
Water Reactive:	No
Corrosive:	Yes



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VIII – FIRST AID

Eyes:

Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.

Skin:

Immediately flush with water for at least 15 minutes. Get medical attention. If clothing comes in contact with the product, the clothing should be removed immediately and should be laundered before re-use. Components of product can be absorbed through the skin resulting in toxic effects.

Ingestion:

Do not induce vomiting, never give anything by mouth to an unconscious person. Consult a physician.
IMMEDIATELY CONTACT AKRON COATING & ADHESIVES @ 330-329-0098

Inhalation:

Remove to fresh air immediately. If breathing has stopped, give artificial respiration and keep warm and quiet. Get medical attention.

IX – TOXICOLOGY AND HEALTH INFORMATION

ROUTES OF ABSORPTION

Eye and skin contact, ingestion, inhalation

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.

Human Threshold Response Data

Odor Threshold:	No Data
Irritation Threshold:	No Data
Immediately Dangerous to Life or Health:	The IDLH concentration has not been established for this product.



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SIGNS, SYMPTOMS AND EFFECTS OF EXPOSURE

Inhalation

Acute:	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 or death.
Chronic:	Prolonged or repeated inhalation of this product may cause addiction, allergic respiratory sensitization, brain, liver, and lung damage, .

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

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

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

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Skin

Skin contact will cause redness and possible hydrolysis

INTERACTIONS WITH OTHER CHEMICALS WHICH ENHANCE TOXICITY

None known or reported



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ANIMAL TOXICOLOGY

Inhalation LC 50:	No Data. Believed to be slightly toxic
Dermal LD 50:	No Data. Believed to be slightly toxic
Oral LD 50:	No Data. Believed to be slightly toxic
Irritation:	Skin, eye, mucous membrane, and respiratory irritant.

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 or death.

Chronic Target Organ Toxicity

This product may cause dermatitis upon prolonged or repeated skin contact. Diethyl Ether has oral (rat) LD50 values of 1215 mg/kg and inhalation rat LCLo 32000 mg/kg respectively.

Reproductive and Developmental Toxicity

Repeated exposures may be habit forming. Prolonged exposures may result in headache, drowsiness, excitation, and psychic disturbances. The ethyl alcohol component, in repeated high exposures, may cause damage to the liver, blood and reproductive system. Teratogenic effects are possible for ether and ethyl alcohol.

Carcinogenicity

investigated as a tumorigen, , reproductive effector.

Mutagenicity

investigated as a mutagen

Aquatic Toxicity

For ether: This material is not expected to be toxic to aquatic life. The LC50/96-hour values for fish are over 100 mg/l.

X – TRANSPORTATION INFORMATION

US DOT

PROPER SHIPPING NAME: **NITROCELLULOSE SOLUTION, FLAMMABLE**

Hazard Class: **3**

UN/NA: **UN2059**

Packing Group: **II**

Information reported for product/size: **200L**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (RQ's) in 40CFR 302.4.

Components present in this product at a level which could require reporting under the statute (40CFR 355) are:
Diethyl Ether, Acetone, 2-Propanol.



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XI – SPILL AND LEAKAGE PROCEDURES

FOR ALL SPILL AND LEAK ACCIDENTS, CONTACT: AKRON COATING & COATINGS PHONE: 1-330-329-0098

Reportable Quantity:	This product is subject to a Reportable Quantity (RQ). RQ's are subject change and reference should be made to 40CFR 355 for the current requirements.
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Spill Mitigation Procedures:

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 nonflammable absorbent to clean up. Place in appropriately marked container for disposal.

Spill Residues:

Dispose of per guidelines under Section XII, WASTE DISPOSAL.

Personal Protection for Emergency Spill and Firefighting Situations:

USE NIOSH APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS WHEN THIS MATERIAL IS INVOLVED IN A FIRE. USE FULL PROTECTIVE CLOTHING.

XII – WASTE DISPOSAL

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 NON HAZARDOUS WASTES.

XIII – ADDITIONAL REGULATORY STATUS INFORMATION

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

This product contains no components that are 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 & Coatings.

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 : None



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XIV – ADDITIONAL INFORMATION

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 40CFR 710.2). CONSULT PLANT PROCEDURES IN THE EVENT OF A SPILL OR LEAK FOR HANDLING AND ENVIRONMENTAL INFORMATION

THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. AKRON COATING & COATINGS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT AKRON COATING & COATINGS AT 330-724-4716 TO MAKE SURE THAT THIS SHEET IS CURRENT.