



## SAFETY DATA SHEET

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** AD100144A

**Product type:** Clear Saturant

**Restriction of use:** None identified

**Company Address:** Adhesives and Chemicals  
131 Brown Street  
Yatesville, PA 18640

**Telephone numbers:** 570-654-6735

**Transport Emergency phone:** Chemtrec 800-424-9300

**Medical Emergency phone:** Poison Control Center 1.877.671.4608

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture:**

Flammable liquids (Category 2)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity - single exposure (Category 3)

**Signal Word:** Danger

**Hazard Statements:**

H225: Highly flammable liquid and vapor.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**Pictograms:**



**Precautionary Statements:**

P210: Keep away from heat / sparks / open flames /hot surfaces. No smoking.

P260: Do not breathe dust / fume / gas / mist / vapors / spray.

P281: Use personal protective equipment as required.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331: Do NOT induce vomiting

**Hazards not otherwise classified:**

EUH 066 Repeated exposure may cause skin dryness or cracking.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Hazardous Component</b>	<b>C.A.S. #</b>	<b>%</b>
Ethyl acetate	141-78-6	40-60
Ethyl alcohol	64-17-5	5-20
Aromatic petroleum distillates	64742-95-6	1-10
Diacetone alcohol	123-42-2	1-10

**SECTION 4: FIRST-AID MEASURES****SIGNS AND SYMPTOMS OF EXPOSURE:**

Eyes: Irritation                      Skin: Irritation                      Inhalation: dizziness, drowsiness, nausea

**FIRST AID & EMERGENCY PROCEDURES:**

Eyes: Immediately flush with plenty of water for at least 15 minutes, lifting eyelids occasionally during flushing to facilitate irrigation. Seek medical attention.

Skin: Immediately wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Take immediately to hospital or physician.

**SECTION 5: FIRE FIGHTING MEASURES**

Flash Point (Method Used): 24°F for EA, 57°F for Ethanol (TCC)

Flammable Limits %: LEL – 2.2, UEL - 9 (for E.A.)  
LEL – 3.3, UEL – 19 (for ethanol)

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam, Water Spray.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing. Water may be used to cool fire-exposed containers.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Soak up with absorbent material, remove to a chemical disposal area. Enclose with diking material to prevent seepage into any natural bodies of water. Absorb residue and dispose of all waste according to all local, state, and federal regulations.

### **SECTION 7: HANDLING AND STORAGE**

Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Keep container closed when not in use. Do not breath gas/fumes/vapor/spray. Wash thoroughly after handling. Do not store above 100° F.

### **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Hazardous Component</b>	<b>C.A.S. #</b>	<b>ACGIH TWA</b>	<b>NIOSH REL</b>	<b>OSHA TWA</b>
Ethyl acetate	141-78-6	400 ppm	400 ppm 1400 mg/m <sup>3</sup>	400 ppm 1400 mg/m <sup>3</sup>
Ethyl alcohol	64-17-5	1000 ppm		1000 ppm
Aromatic petroleum distillates	64742-95-6	100 ppm		100 ppm
Diacetone alcohol	123-42-2	50 ppm	50 ppm 240 mg/m <sup>3</sup>	50 ppm 240 mg/m <sup>3</sup>

Respiratory Protection: The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved) or supplied air equipment, depending on airborne concentration.

Ventilation: General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

Protective Gloves: The use of gloves which are impermeable to the specific material handled is

advised to prevent skin irritation and absorption.

Other Protective Clothing or Equipment: Safety glasses, chemical goggles and/or face shield are recommended to safeguard against potential eye contact, irritation or injury.

Special clothing is advised as good chemical handling practice. The availability of eye wash and safety showers in work areas is recommended.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: clear syrupy liquid

Density: 7.94 #/gal.

Initial boiling point : 78 °C (172 °F)

## **SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable

HAZARDOUS POLYMERIZATION: May not occur

CONDITIONS TO AVOID: Exposure to heat, sparks, open flames, static electricity.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS OR BYPRODUCTS: Carbon monoxide, carbon dioxide, smoke, fumes, other unidentified toxic materials.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Information on toxicological effects of ethanol**

#### **Acute toxicity**

LD50 Oral - rat - 7,060 mg/kg

Remarks: Lungs, Thorax, or Respiration:Other changes.

LC50 Inhalation - rat - 10 h - 20000 ppm

Dermal: no data available

#### **Skin corrosion/irritation**

Skin - rabbit

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

#### **Serious eye damage/eye irritation**

Eyes - rabbit

Result: Mild eye irritation - 24 h

(OECD Test Guideline 405)

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

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**Carcinogenicity**

Carcinogenicity - mouse - Oral

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkin's disease.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

RTECS: KQ6300000

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Heart - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

**Information on toxicological effects of ethyl acetate**

Acute oral toxicity LD50 rat: 5620 mg/kg (RTECS)

Acute inhalation toxicity: 5.86 mg/l 8 hours (RTECS)

Acute dermal toxicity LD50 rabbit: >18000 mg/kg (RTECS)

Skin irritation: No skin irritation (IUCLID)

Eye irritation: No eye irritation (IUCLID)

Sensitization: Negative, guinea pig (IUCLID)

Genotoxicity in vitro:

Ames test: negative (IUCLID)

Mutagenicity: negative, mammalian cell chromosome aberration. (US NTP)

Specific target organ toxicity - single exposure: Central nervous system, drowsiness, dizziness

Specific target organ toxicity - repeated exposure: Not classified as specific target organ toxicity.

Aspiration hazard: Product may be an aspiration hazard

Additional information:

Further data: Headache, nausea in high concentrations. Handle using good occupational and environmental health practices.

### **Information on toxicological effects of diacetone alcohol**

No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

#### **Acute Toxicity:**

LC50 (Inhalation) Rat 1,500 ppm 4 hours

LD50 (Dermal) Rabbit 13,500 mg/kg

LD50 (Oral) Rat 2,520 mg/kg

#### **Irritation:**

##### **Eyes**

Rabbit - severe eye irritation - 24 hours

#### **Respiratory or Skin Sensitization**

No data available

##### **Skin**

No data available

#### **Specific target organ toxicity - single exposure (Globally Harmonized System)**

Inhalation - May cause respiratory irritation. - Lungs

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Toxicity**

Toxicity in fish LC50: 230 mg/L (IUCLID: 96 hour, fathead minnow)

Toxicity to daphnia and other aquatic invertebrates: 720 mg/L; (IUCLID: 48 hour, Daphnia magna)

Toxicity to algae: 3300 mg/L (IUCLID: 48 hr. Scenedesmus quadricauda)

Toxicity to bacteria: 2900 mg/L (IUCLID: 16 hr. Pseudomonas putida)

### **12.2. Persistence and degradability:**

Readily biodegradable 100% (OECD Test Guideline 301D , 28 day)

Bio accumulative potential:

Not expected (experimental log Pow: 0.73)

Mobility in soil:

No information available.

Results of PBT and vPvB assessment:

Assessment not conducted. Not classified as PBT or vPvB.

Other adverse effects:

Additional ecological information: Do not allow product to enter surface waters, wastewater or soil.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Subject to disposal regulations in the U.S.-- EPA 40 CFR 262 Hazardous Waste Number(s): U112.

### **SECTION 14: TRANSPORT INFORMATION**

D.O.T. Shipping Name: PAINT,3,UN1263,PGII

HMIS Rating: Health: 3

Flammability: 3

Reactivity: 0

Personal protection: H

Contains:

	cas number
Ethyl acetate	141-78-6
Ethyl alcohol	64-17-5
Aromatic petroleum distillates	64742-95-6
Diacetone alcohol	123-42-2

D.O.T. Label: Flammable liquid

**SECTION 15: REGULATORY INFORMATION**

## Federal and State Regulations:

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: none

California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: none

California RTK: ethyl acetate

Connecticut hazardous material survey.: ethyl acetate

Illinois toxic substances disclosure to employee act: ethyl acetate

Illinois chemical safety act: ethyl acetate

New York release reporting list: ethyl acetate

Rhode Island RTK hazardous substances: ethyl acetate

Pennsylvania RTK: ethyl acetate, DAA, ethanol

Florida: ethyl acetate

Minnesota: ethyl acetate

Michigan critical material:

Massachusetts RTK: ethyl acetate, DAA, ethanol

Massachusetts spill list: ethyl acetate

New Jersey RTK: ethyl acetate, DAA, ethanol

New Jersey spill list: ethyl acetate

Louisiana spill reporting: ethyl acetate

California Director's List of Hazardous Substances.:

TSCA 8(b) inventory: ethyl acetate

TSCA 4(a) final test rules: Ethyl acetate

TSCA 8(d) H and S data reporting:

TSCA 8(a) IUR: Ethyl acetate

SARA 313 toxic chemical notification and release reporting: ethyl acetate

CERCLA: Hazardous substances.: ethyl acetate 5000 lbs.

## Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

## Other Classifications:

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S29- Do not empty into drains. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3



Reactivity: 0  
Personal Protection: h  
National Fire Protection Association (U.S.A.):  
Health: 2  
Flammability: 3  
Reactivity: 0  
Specific hazard: none

## **SECTION 16: OTHER INFORMATION**

Updated: 5/1/15

### **\*\*\*SPECIAL COMMENT REGARDING ALL MATERIALS MANUFACTURED\*\*\***

All information, recommendations and suggestions appearing herein concerning our products are based upon test data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Adhesives and Chemicals as to the effects or such use, the results to be obtained, or the safety and toxicity of the product nor does Adhesives and Chemicals assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.