

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifiers**

Product Name: Audalin® Impression Liquid, A-Pink, Benzoyl Alcohol, Safflower Oil  
 Product Code: Z-600-6531

**Recommended Use of the substance or mixture and Restrictions on Use**

Industrial Use Only

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address**

4000 Columbia Avenue  
 P.O. Box 1139  
 Linwood, PA 19061  
 Website: www.esschem.com  
 E-mail: msds@esschem.com

**Emergency Telephone Numbers**

Company Phone Number: (610)-497-9000 (During Business Hours, 8:00am - 4:00pm EST)  
 Emergency Telephone: CHEMTREC: 1-800-424-9300 (Outside U.S. 1-703-527-3887)

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Hazard Class - Physical, Health, Environmental**

Oral Toxicity

Reproductive Toxin

**Category**

3

1B

**OSHA Defined Hazards**

Combustible dust, may form combustible dust concentrations in air, explosion hazard

**Label Elements - Pictograms, Signal Word, Hazard Statements, Precautionary Statements, & Supplemental Information**



**Signal Word**

Danger

**Hazards Statements**

H301 Toxic if swallowed  
 H360 May damage fertility or the unborn child

**Precautionary Statements - Prevention, Response, & Disposal**

P201 Obtain special instructions before use  
 P202 Do not handle until all safety precautions have been read and understood  
 P281 Use personal protective equipment as required  
 P308+P313 IF exposed or concerned: Get medical advice/attention  
 P405 Store locked up  
 P501 Dispose of contents/container to an authorized disposal facility

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Cas No.	Weight-%	GHS Ratings
Benzyl Alcohol	100-51-6	50 — 60	Oral Toxicity 4 (H302) Inhalation Toxicity 4 (H332)
2-ethylhexyl diphenyl phosphate	1241-94-7	10 — 20	Oral Toxicity Acute Tox. 3 Inhalation Toxicity Acute Tox. 4 Acute Aquatic Toxicity A1 (H400)
Diundecyl Phthalate	3648-20-2	5 — 10	Eye Corrosive/Irritation 2B (H320) Reproductive Toxin 1B (H360) Specific Target Organ Toxin - Repeated Exposure 2 (H373)

**4. FIRST AID MEASURES****General Advice**

Provide the SDS to medical personnel for treatment.

**Inhalation:**

Remove victim to fresh air. Seek immediate medical attention.

**Eye Contact:**

If product gets in the eyes, flush with lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

**Skin Contact:**

Rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

**Clothing:**

Remove contaminated clothing, wash thoroughly before reuse.

**Ingestion:**

If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Chemical (alcohol-resistant) foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media**

Water spray or water stream may not be effective.

**Specific Hazards Arising from the Chemical**

High temperatures, accidental impurities. This product is a flammable liquid. Vapors of this product are heavier than air

and may travel to a source of ignition and flash back to a leaking or open container. Vapor forms an explosive mixture with air.

#### **Hazardous Combustion Products**

Acrid smoke-fumes/carbon monoxide/carbon dioxide and perhaps other toxic vapors may be released during a fire involving this product.

#### **Special Fire Fighting Procedures:**

Use a water spray or fog to reduce or direct vapors, and keep containers cool. Water may not be effective in actually extinguishing a fire involving this product. Do not enter fire area without proper protection. Fight fire from a safe location. Structural firefighters must wear SCBAs and full protective equipment. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries.

#### **Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus for firefighting if necessary. Do not enter fire area without proper protection. Fight fire from safe distance/protected location. Heat/impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries. Use water spray to cool unopened containers. Pressure relief system may plug with solids creating risk of overpressure.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

#### **Personal Precautions**

Before cleaning any spill or leak, individuals must wear appropriate Personal Protective Equipment that is specified in section 8. Deny entry to all unprotected individuals. Remove any contaminated clothing and wash thoroughly before reuse.

#### **Environmental Precautions**

Extinguish all ignition sources. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. May contaminate water supplies/be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

#### **Methods and Material for Containment and Cleaning Up**

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike and contain spill with inert material (e.g. sand or earth). May contaminate water supply.

#### **Methods for Cleaning Up**

Maximize ventilation (open doors and windows) and secure all sources of ignition. Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of product release. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Not a RCRA Hazardous waste.

## **7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

#### **Advice on Safe Handling**

Keep away from heat, sparks, and flame. Keep container closed after each use. Do NOT use localized heat source such as band heaters to heat/melt product. Do NOT use steam. Hot boxes or hot rooms are recommended for heating the product, which can be set at a maximum temperature of 60°C/140°F. Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. After use, wash hands and exposed skin with soap and water. Do not eat, drink, or smoke while handling product. Observe precautions found on label. Keep away from heat, sparks, and flame. Keep container closed after each use. Ground and bond all containers when transferring. Refer to Section 8 for suggested exposure controls and personal protection. Observe precautions found on label

#### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions**

Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Store in accordance with National Fire Protection Association recommendations. Product residue may remain in empty containers. Observe all label precautions until the container is cleaned, reconditioned, or destroyed.

**Incompatible Materials**

Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Benzyl Alcohol 100-51-6			
2-ethylhexyl diphenyl phosphate 1241-94-7			
Diundecyl Phthalate 3648-20-2			

**Engineering Controls**

Use local explosion-proof ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**Personnel Protective Equipment (PPE)****Respiratory Protection**

A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed above. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.

**Eye/Face Protection**

Wear safety glasses, chemical goggles when splashing is possible, when dealing with this material. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

**Skin and Body Protection**

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact:

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Splash contact:

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 120 min

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. An eyewash station and a safety shower are recommended. Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Wash hands thoroughly before eating, drinking, or smoking.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b> Pink <b>Odor:</b> Characteristic <b>Flammable Limit (Air Volume%, N/A Lower/Upper)</b> <b>Evaporation Rate</b> No data available <b>Specific Gravity</b> 7.04	<b>Physical State:</b> Liquid <b>Flash Point:</b> >201°F,>94°C <b>Autoignition Temperature:</b> 293°C <b>Boiling Range (low - high)</b> 205 - 375°C
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## 10. STABILITY AND REACTIVITY

### Material stability

Stable

### Incompatible materials

Acids

Strong oxidizing acids

### Hazardous decomposition products

Acid Vapors

Carbon dioxide

Carbon monoxide

Hydrocarbons

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Mixture Toxicity

Oral Toxicity: 94mg/kg

Inhalation Toxicity: 1,652mg/L

### Component Toxicity

### Routes of Exposure

No data available

### Target Organs

Liver

### Effects of Overexposure

### Product Components Listed as Carcinogenic

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No data available

## 12. ECOLOGICAL INFORMATION

### Component Ecotoxicity

Benzyl Alcohol

96 Hr LC50 Pimephales promelas: 460 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 10 mg/L [static]  
 48 Hr EC50 water flea: 23 mg/L

2-ethylhexyl diphenyl phosphate	96 Hr LC50 Lepomis macrochirus: >0.38 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >0.38 mg/L [static]; 96 Hr LC50 Pimephales promelas: >0.38 mg/L [static] 48 Hr EC50 Daphnia magna: 0.15 mg/L [Static] 72 Hr EC50 Pseudokirchneriella subcapitata: 0.2 mg/L
Diundecyl Phthalate	96 Hr LC50 Pimephales promelas: >1.3 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: >0.73 mg/L [static]; 96 Hr LC50 Pimephales promelas: >0.74 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >1.4 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 15 mg/L; 48 Hr EC50 Daphnia magna: 12 mg/L [semi-static]; 48 Hr EC50 Daphnia magna: >0.02 mg/L [Static] 96 Hr EC50 Pseudokirchneriella subcapitata: >2.1 mg/L [static]

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

##### **Disposal of Wastes**

When discarded it is a hazardous waste by the EPA under RCRA. Dispose of waste material in accordance with Federal, State, and Local regulations. It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste. Comply with all applicable federal, state and local regulations. Waste disposal options include landfilling solids at permitted sites. Incinerate in a chemical incinerator equipped with an afterburner and scrubber. Use registered transporters.

##### **Contaminated Packaging**

Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual flammable material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations

### 14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not Regulated			
IATA	Not Regulated			
IMDG	Not Regulated			

### 15. REGULATORY INFORMATION

#### **State of California Safe Drinking Water and Toxic Enforcement Act of 1986**

**(Proposition 65):** WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

No data available

#### **SARA 313**

No data available

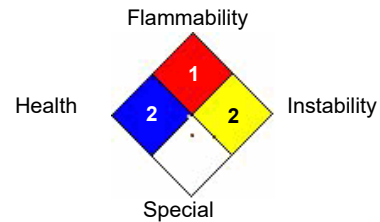
#### **US State Right-to-Know Regulations**

No data available

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
	Canada DSL	Yes
	EINECS	Yes
	SARA Hazard categories	No
	TSCA Inventory	Yes

### 16. OTHER INFORMATION

<b>HEALTH</b>	<input type="text" value="2"/>	<b>HMIS &amp; NFPA Hazard Rating</b> <b>Legend</b> * = Chronic Health Hazard <b>0 = INSIGNIFICANT</b> <b>1 = SLIGHT</b> <b>2 = MODERATE</b> <b>3 = HIGH</b>
<b>FLAMMABILITY</b>	<input type="text" value="1"/>	
<b>PHYSICAL HAZARD</b>	<input type="text" value="2"/>	
<b>PERSONAL PROTECTION</b>	<input type="text" value="B"/>	



Date Prepared: 2/4/2022  
2015-09-08

Reviewer Revision 2

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials on in any process, unless specified in the text.