



**Akona Manufacturing, LLC.**  
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Mendota Heights, MN 55120-1221

**Emergency Telephone Number:**  
651-688-9116  
**Information Telephone Number**  
651-905-8137

**Revision Date**  
March 2014

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### Section 1: Product Identification

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Product Type: Air entraining agent

**Akona Product Name:**

Akona Liquid Air Entrainment Admixture

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### Section 2: Hazard Identification

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Product poses little hazard in ordinary use. Some eye irritation may occur from direct contact.

This product is designed to be mixed with concrete or mortar. See the safety data sheet and follow recommended precautions for the concrete or mortar.

This product has been evaluated according to GHS and 29CFR1910.1200, Appendix A. it is not classified as hazardous under those criteria, and does not require any pictogram, signal word, hazard statements or precautionary statements.

HMIS® Rating:    Health: 0    Fire: 0    Reactivity: 0  
*HMIS® is a registered trademark of the National Paint and Coatings Association*

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### Section 3: Hazardous Ingredients/Composition

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Ingredient	Typical Percentage	CAS #
Water.....	>99%	7732-18-5
Sodium hydroxide .....	<0.1%	1310-73-2
Rosin blend .....	<1%	*

\*Specific chemical identity withheld as trade secret. It is available upon request to health professionals, employees and their designated representatives in accord with 29CFR1910.1200(i).

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### Section 4: First Aid Measures

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**Inhalation:**

Unlikely to be an inhalation hazard.

**Eye contact:**

Hold eyelids apart and flush eyes with plenty of water. If any irritation persists, get medical attention.

**Skin Contact:**

Wash off with soap and water.



**Ingestion:**

Check with the Poison Control Center or a doctor. Do not induce vomiting unless directed to do so by medical personnel.

**Symptoms of overexposure:** Direct contact may cause some eye irritation. Repeated or extensive contact may cause skin irritation and may cause allergic skin reactions (sensitization) in some people.

**Note to physician:** Treat according to symptoms. No known specific antidote.

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**Section 5: Fire Fighting Measures**

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**Fire extinguishing media:** Appropriate for surrounding materials (carbon dioxide, water spray, dry chemical, foam).

**Special fire fighting procedures:** none

**Unusual fire and explosion hazards:** None expected

**Hazardous combustion products:** carbon monoxide, carbon dioxide, aldehydes, carboxylic acids

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**Section 6: Accidental Release Measures**

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Contain and soak up with absorbent material. Clean area with water.

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**Section 7: Handling and Storage**

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To protect the product, keep from freezing or excessive heat.

Keep container tightly closed.

Wash hands after use.

Do not eat, drink, or use tobacco products when handling any chemical products.

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**Section 8: Exposure Controls/Personal Protection**

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**Occupational Exposure Limits:**

	OSHA PEL	OSHA 1989 PEL*	ACGIH TLV	NIOSH REL
Sodium hydroxide	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup> (ceiling)	2 mg/m <sup>3</sup> (ceiling)	2 mg/m <sup>3</sup> (ceiling)
Rosin	None established			

\*For states that adopted the 1989 PEL revisions (Minnesota, Oregon, Washington, California)

**Engineering Controls:**

No special measures are needed.

Local exhaust ventilation is not required



### **Personal protective equipment**

**Respiratory protection:** Not required under conditions of normal use.

**Skin protection:** Wear water-impermeable gloves such as nitrile, PVC, or natural rubber gloves for prolonged contact.

**Eye protection:** Wear eye protection (chemical safety goggles are recommended to protect against splashes).

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### **Section 9: Physical and Chemical Properties**

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**Appearance and odor:** amber colored liquid

**Flash point:** noncombustible.

**Flammable limits:** N/A

**Boiling Point:** ~212°F (estimated)

**Freezing point:** ~ 32°F (estimated)

**Specific Gravity:** 1.0

**Solubility in water:** miscible

**pH:** <10

**Evaporation rate (butyl acetate = 1):** <1 (equivalent to water)

**Vapor pressure:** negligible

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### **Section 10: Stability and Reactivity**

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**Stability:** stable

**Conditions to avoid:** none known.

**Incompatibility:** strong acids

**Hazardous polymerization:** will not occur

**Hazardous decomposition products:** none likely.

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### **Section 11: Toxicological Information**

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Not considered acutely toxic.

No ingredients are listed as carcinogenic according to IARC, ACGIH, NTP, or OSHA.

Rosins have been reported to cause sensitization, an allergic skin reaction, in some people after repeated or prolonged contact

Toxicology data for similar rosins:

LD50 (oral, rat, acute): >4 g/kg

LD50 (oral, guinea pig, acute): >2.5 g/kg

NOEL

Rosin LC50 (zebra fish, 96 hour): 5.2 mg/L

EC50 (Daphnia magna, 48 hour): 76 mg/L

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### **Section 12: Ecological Information**

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**Ecotoxicity** Product as a whole has not been tested. Ingredients are not considered toxic to fish, crustaceans, or algae



**Persistence and degradability:** readily biodegrades

**Mobility in soil:** Based on ingredients, mobile. Unlikely to adsorb onto soil or sediment.

**Bioaccumulation:** based on ingredients, not likely to bioaccumulate.

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### **Section 13: Disposal Considerations**

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Do not dump on the ground

As provided, not a RCRA-regulated waste.

Dispose of in accordance with federal, state, and local regulations.

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### **Section 14: Transportation**

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Not a DOT-regulated hazardous material. Not classified as dangerous goods for DOT, IATA, IMDG, TDG

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### **Section 15: Regulatory Information**

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This product does not contain 0.1% or more of any

- chemicals regulated under:  
CERCLA  
SARA 302 EHS  
SARA 313  
SARA 311/312
- Hazardous Air Pollutants.
- chemicals known to the state of California to cause cancer or reproductive effects.
- Chemicals listed on the New Jersey Right to Know Hazardous Substance List.

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### **Section 16: Other Information**

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Additional information on the product is available at. [www.akonallc.com](http://www.akonallc.com)

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