

Safety Data Sheet

Aluminafilm

SDS Revision Date:

03/25/2015

1. Identification

1.1. Product identifier

Product Identity Aluminafilm

Alternate Names Aluminafilm

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Emulsitone Chemicals, LLC
37 Willow Street
Washington, NJ 07882

Emergency

24 hour Emergency Telephone No. 973-464-5579

Customer Service: Emulsitone Chemicals, LLC 973-386-0053

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute Tox. 4;H302	Harmful if swallowed.
Acute Tox. 5;H313	May be harmful in contact with skin. (Not adopted by US OSHA)
Acute Tox. 3;H331	Toxic if inhaled.
Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.
Repr. 1B;H360FD	May damage fertility. May damage the unborn child.

2.2. Label elements



Danger

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

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H315 Causes skin irritation.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H360FD* May damage fertility. May damage the unborn child.

[Prevention]:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice / attention.

P311 Call a POISON CENTER or doctor / physician.

P321 Specific treatment (see information on this label).

P330 IF SWALLOWED: Rinse mouth.

P332+313 If skin irritation occurs: Get medical advice / attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P362 Take off contaminated clothing and wash before reuse.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

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This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
2-Ethoxy-ethanol CAS Number: 0000110-80-5	25 - 50	Flam. Liq. 3;H226 Repr. 1B;H360FD Acute Tox. 3;H331 Acute Tox. 4;H312 Acute Tox. 4;H302	[1][2]
Acetic acid ethenyl ester, polymer with ethanol CAS Number: 0025213-24-5	5 - 10	Eye Irrit. 2;H319	[1]
Aluminium chloride, anhydrous CAS Number: 0007446-70-0	1 - 5	Skin Corr. 1B;H314	[1][3]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin

Immediately flush affected area for at least 15 minutes. Remove and clean or dispose of contaminated clothing in accordance with appropriate federal, state, and local regulations. Get medical attention immediately.

Ingestion

This product contains polyvinyl alcohol in solution. If victim is conscious and able to swallow, have victim drink water or milk to dilute. Never give anything by mouth if victim is unconscious or having convulsions. Call a physician or Poison Control Center immediately. Induce vomiting only if advised by physician or Poison Control Center.

4.2. Most important symptoms and effects, both acute and delayed

Overview

Inhalation: This Emulsitone product is considered to be non-hazardous. The solvent is water.

Ingestion: Symptoms are unknown. However, as with any non-food product, if ingested, contact a doctor or Poison Control Center immediately.

Eye Contact: Liquid or vapor may cause irritation.

Skin Contact: May cause irritation and defatting of skin on prolonged contact.

See section 2 for further details.

Inhalation

Toxic if inhaled.

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Eyes Causes serious eye damage.
Skin May be harmful in contact with skin. (Not adopted by US OSHA) Causes skin irritation.
Ingestion Harmful if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Do not use: water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.
Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

None

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

This product is not flammable or poisonous. A spill may be collected with absorbent media or mopped up.

Ordinary trash removal for solids and sanitary sewers for liquid wastes.

7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Strong Oxidizers

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

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No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000110-80-5	2-Ethoxy-ethanol	OSHA	TWA 200 ppm (740 mg/m3) [skin]
		ACGIH	TWA: 5 ppm Skin, R
		NIOSH	TWA 0.5 ppm (1.8 mg/m3) [skin]
		Supplier	No Established Limit
0007446-70-0	Aluminium chloride, anhydrous	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0025213-24-5	Acetic acid ethenyl ester, polymer with ethanol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory

Not necessary under normal conditions.

Eyes

Protective safety glasses recommended

Skin

Wear overalls to keep skin contact to a minimum. Avoid skin contact. Use chemically resistant gloves.

Engineering Controls

Not necessary under normal conditions.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

9. Physical and chemical properties

Appearance

Clear Liquid

Odor

None

Odor threshold

Not determined

pH

Not Measured

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Melting point / freezing point	Not Measured
Initial boiling point and boiling range	212 F/100 C
Flash Point	> 200 F (Not Flammable)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	17.5 mmHg (at 20 C)
Vapor Density	0.32 (Air = 1)
Specific Gravity	1.0
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	6 – 8 cP (at 25C)

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Strong Oxidizers

10.6. Hazardous decomposition products

No hazardous decomposition data available.

11. Toxicological information

Acute toxicity

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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
2-Ethoxy-ethanol - (110-80-5)	2,125.00, Rat - Category: 5	3,300.00, Rabbit - Category: 5	15.00, Rat - Category: 4	No data available	No data available
Acetic acid ethenyl ester, polymer with ethanol - (25213-24-5)	> 5,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Aluminium chloride, anhydrous - (7446-70-0)	No data available	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000110-80-5	2-Ethoxy-ethanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007446-70-0	Aluminium chloride, anhydrous	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0025213-24-5	Acetic acid ethenyl ester, polymer with ethanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	5	May be harmful in contact with skin. (Not adopted by US OSHA)
Acute toxicity (inhalation)	3	Toxic if inhaled.
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	1B	May damage fertility. May damage the unborn child.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

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12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
2-Ethoxy-ethanol - (110-80-5)	10,000.00, Lepomis macrochirus	1,892.52, Daphnia magna	1,000.00 (72 hr), Scenedesmus subspicatus
Acetic acid ethenyl ester, polymer with ethanol - (25213-24-5)	Not Available	Not Available	Not Available
Aluminium chloride, anhydrous - (7446-70-0)	4.70, Salmo salar	Not Available	0.15 (96 hr), Pseudokirchneriella subcapitata

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated

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14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No;		
14.6. Special precautions for user			
No further information			

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	D1B E
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): No

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

2-Ethoxy-ethanol

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

2-Ethoxy-ethanol

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

2-Ethoxy-ethanol

16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our

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products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H331 Toxic if inhaled.

H360FD May damage fertility. Suspected of damaging the unborn child.

H319 Causes serious eye irritation.

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