

# Safety Data Sheet

## Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

### 1. Identification

#### 1.1. Product identifier

**Product Identity**

Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

**Alternate Names**

Emulsitone Laser Scribing Solution 1146 (400 'cp'), Emulsitone Laser Scribing Solution 1146 (100 'cp'), Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

#### 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

Eye Irrit. 2;H319

Causes serious eye irritation.

#### 2.2. Label elements



### Warning

H319 Causes serious eye irritation.

**[Prevention]:**

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

**[Response]:**

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

P337+313 If eye irritation persists: Get medical advice / attention.

**[Storage]:**

## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

No GHS storage statements

**[Disposal]:**

No GHS disposal statements

### 3. Composition/information on ingredients

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
Acetic acid ethenyl ester, polymer with ethanol CAS Number: 0025213-24-5	10 - 25	Eye Irrit. 2;H319	[1]

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**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**

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

**Skin**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**Ingestion**

If large quantities of this material are swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. Get medical attention.

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

**Overview**

**Skin:** Essentially non-irritating

**Eyes:** May cause eye irritation. Symptoms of exposure may include: eye irritation or burning sensation.

**Inhalation:** Unlikely, but could cause respiratory tract irritation. Symptoms of exposure may include: nasal discharge, hoarseness, coughing, chest pain and breathing difficulty.

**Ingestion:** Essentially non-toxic based upon components. Symptoms of exposure may include: Inflammation of mouth, throat, esophagus and/or stomach.

**Reproductive:** No evidence of reproductive effects.

**Carcinogenic:** Components are listed as unclassifiable as to carcinogenic in humans. IARC Group 3.

**Mutagenic:** Does not show mutagenic potential in most in vitro tests. Does not show

## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

mutagenic potential in the micronucleus assay in vivo.  
See section 2 for further details.

**Eyes**

Causes serious eye irritation.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Use alcohol type aqueous film forming foam for large fires. Use CO2 or dry chemical of small fires.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Thermal decomposition may yield CO and/or CO2

### 5.3. Advice for fire-fighters

Keep personnel removed from and upwind of fire. If potential for exposure to vapors or products of combustion exists, wear full fire fighting turnout gear and NIOSH approved self-contained breathing apparatus. Oxidizing chemicals may accelerate the burning rate in a fire situation. Thoroughly decontaminate bunker gear and other fire-fighting equipment

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

**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

Contain spill with dikes of soil or nonflammable absorbent to minimize contamination area. Avoid run-off into storm sewers and ditches, leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up spills by mopping with water or absorbing with vermiculite or paper.

Keep unnecessary people away. Isolate hazard area and deny entry.

## 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

## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

Keep all containers tightly closed when not in use. Store at room temperature out of direct sunlight. Store on impermeable floor with secondary containment for large volumes.

Incompatible materials: Keep away from strong oxidizers and highly reactive metals.

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

#### 7.3. Specific end use(s)

Wash thoroughly with soap and water after handling. Decontaminate affected clothing thoroughly before reuse.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
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

Based on workplace contaminant level and working limits of the respirator, use a respirator approved by NIOSH. The following is the minimum recommended equipment for an occupational exposure level.

#### Eyes

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

#### Skin

Wear overalls to keep skin contact to a minimum. Wear impervious clothing and gloves to prevent contact. Other protective material may be used, depending on the situation if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this product, material selection should be based on protection for all chemicals present.

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### Other Work Practices

Ensure safety showers and eyewash stations are available. 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, light-green Liquid

Odor

Odorless

Odor threshold

Not determined

pH

4 - 7.5

## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

<b>Melting point / freezing point</b>	> 230 C
<b>Initial boiling point and boiling range</b>	> 100 C (760 mm HgA)
<b>Flash Point</b>	None
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	17.5 mm Hg
<b>Vapor Density</b>	17.3 g/m <sup>3</sup> (Air = 1 @20C)
<b>Specific Gravity</b>	1.0 - 1.4 g/cc @ 20C
<b>Solubility in Water</b>	Soluble in hot water
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cP)</b>	6 – 440 cP @ 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

Keep away from strong oxidizers and highly reactive metals.

### 10.6. Hazardous decomposition products

Thermal decomposition may yield CO and/or CO<sub>2</sub>

## 11. Toxicological information

### Acute toxicity

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).

## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

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
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

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
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)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 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
Acetic acid ethenyl ester, polymer with ethanol - (25213-24-5)	Not Available	Not Available	Not Available

## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

#### 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 no 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

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Applicable	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>14.6. Special precautions for user</b>	No further information		

## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

## 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** D2B

**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:**

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

**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%):**

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

**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%):**

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



## Safety Data Sheet

### Emulsitone Laser Scribing Solution 1146 Standard, 100 'cp' and 400 'cp'

SDS Revision Date:

01/25/2017

#### 16. Other information

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones that exist. Emulsitone Chemicals, LLC. makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Material safety data sheets are provided on the Internet as a service for our customers. Possession of an Internet MSDS does not indicate that the possessor of the MSDS was a purchaser or use of the subject product. however, accuracy, suitability or completeness is not guaranteed and no warranties of any type either express or implied are provided. The information contained herein relates only to this specific product.

End of Document