

## Safety Data Sheet

Product Identifier: Myrifilm

SDS ID: M-004

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

Myrifilm

**Chemical Family**

Ester

**Product Use**

Industrial, Professional, Consumer Cleaning; Laboratory use; Formulation stage

**Restrictions on Use**

None known.

**Details of the supplier of the safety data sheet**

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Emergency Phone No : CHEMTREC: 800-424-9300

### Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

None needed according to classification criteria

**GHS Label Elements**

**Symbol(s)**

None needed according to classification criteria

**Signal Word**

None needed according to classification criteria

**Hazard Statement(s)**

None needed according to classification criteria

**Precautionary Statement(s)**

**Prevention**

None needed according to classification criteria

**Response**

None needed according to classification criteria

**Storage**

None needed according to classification criteria

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

No additional information available.

**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

CAS	Component	Percent
Trade secret	Trade secret	>= 99.5

**Section 4 - FIRST AID MEASURES****Description of Necessary Measures**

Get medical advice/attention if you feel unwell.

**Inhalation**

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**Skin**

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Thoroughly clean and dry contaminated clothing before reuse.

**Eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

Get medical attention, if needed.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

**Most Important Symptoms/Effects****Acute**

No information on significant adverse effects.

**Delayed**

No information on significant adverse effects.

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

Use carbon dioxide, regular dry chemical, regular foam or water.

**Unsuitable Extinguishing Media**

None known.

**Special Hazards Arising from the Chemical**

Negligible fire and explosion hazard in bulk form.

**Hazardous Combustion Products**

Oxides of carbon, low molecular weight hydrocarbons

**Advice for firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

## **Fire Fighting Measures**

Move container from fire area if it can be done without risk. Keep unnecessary people away, isolate hazard area and deny entry. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

## **Section 6 - ACCIDENTAL RELEASE MEASURES**

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

Keep unnecessary people away, isolate hazard area and deny entry. Collect spillage. Avoid release to the environment. Only personnel trained for the hazards of this material should perform clean up and disposal.

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

Keep unnecessary people away, isolate hazard area and deny entry. Avoid contact with eyes, skin and clothing. Only personnel trained for the hazards of this material should perform clean up and disposal. Collect spilled material using mechanical equipment.

### **Environmental Precautions**

Collect spillage. Avoid release to the environment. In case of spillage, stop the flow of material and block any potential routes to water systems. Keep out of water supplies and sewers.

## **Section 7 - HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Do not handle until all safety precautions have been read and understood. Keep away from all ignition sources. Avoid contact with skin and eyes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8.

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

None needed according to classification criteria

Store in a cool, dry place. Store in a well-ventilated area. Keep separated from incompatible substances. Keep container tightly closed. Empty containers may contain product residue. Store and handle in accordance with all current regulations and standards.

### **Incompatible Materials**

oxidizing materials

## **Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Component Exposure Limits**

ACGIH, NIOSH, EU, OSHA (US) and Mexico have not developed exposure limits for any of this product's components

### **Biological limit value**

There are no biological limit values for any of this product's components.

### **Engineering Controls**

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

### **Individual Protection Measures, such as Personal Protective Equipment**

#### **Eye/face protection**

Wear splash resistant safety goggles.

### Skin Protection

Wear appropriate work clothing.

### Respiratory Protection

A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

### Glove Recommendations

Wear appropriate chemical resistant gloves.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colorless, viscous liquid	<b>Physical State</b>	liquid
<b>Odor</b>	slight odor	<b>Color</b>	colorless
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	<-40 °C	<b>Boiling Point</b>	331.22 °C
<b>Freezing point</b>	<-40 °C	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not applicable
<b>Autoignition</b>	270 °C (770 mmHg)	<b>Flash Point</b>	194 °C (760 mmHg)
<b>Lower Explosive Limit</b>	Non-explosive	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Non-explosive	<b>Vapor Pressure</b>	0.0127 Pa (25 °C)
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	0.934
<b>Water Solubility</b>	<0.000005 g/L (20.7-20.9 °C, pH 7)	<b>Partition coefficient: n-octanol/water</b>	34900000
<b>Viscosity</b>	13.29 mm <sup>2</sup> /s (19.9 °C)	<b>Solubility (Other)</b>	Not available
<b>Density</b>	0.9256 g/cm <sup>3</sup> at 20 °C	<b>Log KOW</b>	7.94 (30 °C)
<b>Physical Form</b>	slightly viscous liquid	<b>Molecular Formula</b>	Proprietary
<b>OSHA Flammability Class</b>	Not flammable		

### Other Information

No additional information available.

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

### Incompatible Materials

oxidizing materials

### Hazardous decomposition products

Oxides of carbon, low molecular weight hydrocarbons

<b>Section 11 - TOXICOLOGICAL INFORMATION</b>
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**Information on Likely Routes of Exposure**

**Inhalation**

No information on significant adverse effects.

**Skin Contact**

No information on significant adverse effects.

**Eye Contact**

No information on significant adverse effects.

**Ingestion**

No information on significant adverse effects.

**Acute and Chronic Toxicity**

**Component Analysis - LD50/LC50**

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Trade Secret (Trade Secret)

Oral LD50 Rat >2000 mg/kg bw

Dermal LD50 Rat >2000 mL/kg bw

**Immediate Effects**

No information on significant adverse effects.

**Delayed Effects**

No information on significant adverse effects.

**Irritation/Corrosivity Data**

Non-irritating to the eyes and/or skin.

**Respiratory Sensitization**

No data available.

**Dermal Sensitization**

Reported to be non-sensitizing.

**Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA  
Not classified.

**Germ Cell Mutagenicity**

Not classified.

**Tumorigenic Data**

No data available

**Reproductive Toxicity**

Not classified.

**Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure**

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No target organs identified.

**Aspiration hazard**

No data available.

**Medical Conditions Aggravated by Exposure**

No data available.

**Additional Data**

No additional information available.

## Section 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

Avoid release to the environment.

**Component Analysis - Aquatic Toxicity**

Trade Secret	Trade Secret
Fish:	LC50 96 hr Oncorhynchus mykiss >100 mg/L [static]
Algae:	EC50 72 hr Pseudokirchnerella subcapitata >320 mg/L [static]

**Persistence and Degradability**

Readily biodegradable.

**Bioaccumulative Potential**

low potential to bioaccumulate

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

## Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose in accordance with all applicable regulations. Regulations vary. Consult local authorities before disposal.

**Disposal of Contaminated Packaging**

No information available for the product.

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.

## Section 14 - TRANSPORT INFORMATION

**US DOT Information:**

UN/NA #: Not regulated for transport

**IATA Information:**

UN#: Not regulated for transport

**IMDG Information:**

UN#: Not regulated for transport

**TDG Information:**

UN#: Not regulated for transport

## Section 15 - REGULATORY INFORMATION

**U.S. Federal Regulations**

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**

**Acute Health:** No **Chronic Health:** No **Fire:** No **Pressure:** No **Reactivity:** No

**U.S. State Regulations**

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA

**Not listed under California Proposition 65**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

**Component Analysis - Inventory**

Trade Secret (Trade Secret)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes

## Section 16 - OTHER INFORMATION

**HMIS Rating**

Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

**NFPA Ratings**

Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Summary of Changes**

Supersedes SDS written on July 17, 2013

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on

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Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

#### Disclaimer:

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.