

# SAFETY DATA SHEET

Issuing Date: 31-Dec-2014

Version 2

## Dirasol SuperCoat 915 Photostencil Emulsion

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Dirasol SuperCoat 915 Photostencil Emulsion

**Product code** DIR-S915

**Product Use** Printing Ink Screen Emulsion.

**Distributed in the USA by**

FUJIFILM Manufacturing U.S.A., Inc.  
20 West 14th Avenue  
North Kansas City, MO. 64116 USA  
Phone#: (913) 342-4060

**Distributed in Canada by**

FUJIFILM Canada, Inc.  
600 Suffolk Ct.  
Mississauga, Ontario L5R 4G4

**MSDS are available at the following website(s):** <http://www.fujifilmusa.com/msds>  
<http://www.fujifilm.ca/msds/search.do>

**Company Phone Number** U.S.A: 800-473-3854 Canada: 800-263-5018

**Emergency Telephone** Transport-CHEMTREC Inside NA: 800-424-9300  
Transport CHEMTREC Outside NA: 703-527-3887  
Transport-CANUTEC Inside Canada: 613-996-6666  
Medical Emergency (24 hour): 877-935-7387

**E-mail** EHS@fujifilm.com

### 2. HAZARDS IDENTIFICATION

**Classification**

Skin sensitization	Category 1A
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**GHS Label elements, including precautionary statements**

Warning

**Hazard Statements**

May cause an allergic skin reaction



### Precautionary Statements

#### **Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

#### **Response**

Not applicable  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

#### **Storage**

Not applicable

#### **Disposal**

Dispose of contents/container to an approved waste disposal plant

#### **Hazards not otherwise classified (HNOC)**

Not classified

#### **Other hazards**

May be harmful if swallowed  
 May be harmful in contact with skin  
 Causes mild skin irritation  
 Harmful to aquatic life with long lasting effects

#### **Unknown Acute Toxicity**

97% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Bisphenol-A epoxydiacrylate	55818-57-0	5-10%
Tripropylene glycol diacrylate	42978-66-5	1-5%

### 4. FIRST AID MEASURES

#### **First aid measures for different exposure routes**

##### **General advice**

Do not get in eyes, on skin, or on clothing.

##### **Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

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<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Immediate medical attention is not required.
<b>Protection of First-aiders</b>	Use personal protective equipment.

**Most important symptoms/effects, acute and delayed**

May cause allergic skin reaction.

**Indication of immediate medical attention and special treatment needed, if necessary**

May cause sensitization of susceptible persons.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

None known.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. May cause sensitization by skin contact.

**Explosion Data**

**Sensitivity to Mechanical Impact** none

**Sensitivity to Static Discharge** none

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid contact with the skin and the eyes.

**Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Ensure adequate ventilation. Wear personal protective equipment.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Exposure controls**

**Engineering Measures** Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tightly fitting safety goggles.

**Skin and body protection** Wear protective gloves/clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	light blue	<b>Odor</b>	Mild Vanilla
<b>Odor Threshold</b>	Not available	<b>Physical State @20°C</b>	Emulsion
<b>pH</b>	Not available	<b>Molecular Weight</b>	Not available
<b>Specific Gravity</b>	1.07	<b>Autoignition temperature</b>	Not available
<b>Flash point</b>	> 201 °F > 94 °C	<b>Boiling point / boiling range</b>	212 °F / 100 °C
<b>Decomposition temperature</b>	Not available	<b>Freezing Point</b>	approx 32 °F
<b>Melting point / melting range</b>	Not available	<b>Explosive Property Details</b>	Not available
<b>Flammability Limit in Air</b>	Not available	<b>Partition coefficient</b>	Not available
<b>Oxidizing Properties</b>	Not available	<b>Vapor Pressure</b>	17.5 mm/Hg @ 20 C
<b>Solubility</b>	Soluble in water	<b>Density</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Actual VOC (lb/gal)</b>	0
<b>Vapor density</b>	Not available	<b>VOC (g/l)</b>	Not available
<b>Weight per Gallon (lbs)</b>	8.903		
<b>VOC (lb/gal)</b>	Not available		
<b>Dynamic viscosity</b>	Not available		

**VOC Content California**

**VOC Content of Material** 0 grams per liter

**VOC Content of Coating less Water and Exempt Solvents** 0 grams per liter

**10. STABILITY AND REACTIVITY****Reactivity**

Stable under recommended storage conditions

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal processing.

#### Conditions to Avoid

Excessive heat. Freezing.

#### Incompatible Materials

Strong oxidizing agents, strong acids, and strong bases.

#### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### Product Information

##### **Acute toxicity**

##### **Inhalation**

May cause irritation of respiratory tract. May be harmful if inhaled.

##### **Eyes**

May cause irritation.

##### **Skin**

May cause skin irritation and/or dermatitis. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May be harmful in contact with skin.

##### **Ingestion**

Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.

##### Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 (lethal concentration)
Tripropylene glycol diacrylate	= 3000 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	

#### Information on toxicological effects

No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### **Irritation**

Non-irritating during normal use.

##### **Corrosivity**

No information available.

##### **Sensitization**

May cause sensitization by skin contact.

##### **Mutagenic Effects**

No information available.

##### **Reproductive Toxicity**

No information available.

##### **Carcinogenicity**

None known.

##### **STOT - single exposure**

No information available.

##### **STOT - repeated exposure**

No information available.

##### **Chronic toxicity**

Repeated contact may cause allergic reactions in very susceptible persons.

##### **Target Organ Effects**

None known.

**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 3000 mg/kg  
ATEmix (dermal) 2002 mg/kg

**ATE: Acute toxicity estimate**

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants

**Persistence and degradability**

No information available.

**Bioaccumulation**

Chemical Name	Octonol Water Partition Coefficient (log pow)
Tripropylene glycol diacrylate	2.77

**Mobility**

No information available.

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**

Dispose of in accordance with all applicable national environmental laws and regulations. Dispose of in accordance with federal, state, and local regulations.

**Contaminated packaging**

Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG</u>	Not regulated
<u>ADR/RID</u>	Not regulated
<u>ADN</u>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Yes
DSL/NDSL	Yes
PICCS	Yes
EINECS/ELINCS	Yes
ENCS	Yes
IECSC	Yes
KECL	Yes
AICS	Yes

**\*Yes - All component(s) of this product are included or are exempt from listing on the inventory.**

**\*No - Indicates the component(s) of this product are either not listed or have not been determined to be listed on the inventory.**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### TSCA Sections 4, 5 and 12(b)

This product does not contain any chemicals regulated by TSCA Sections 4, 5 or 12(b).

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	Yes

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**International Regulations**

**Canada - NDSL**

This product does not contain any NDSL chemicals.

**Mexico - Grade**

No information available

**Mexico - Carcinogen Status and Exposure Limits**

No information available

**Other Regulations**

No information available

<b>CPSIA</b>	Formulated to comply
<b>CONEG</b>	Formulated to comply
<b>ASTM F-963</b>	Formulated to comply
<b>CHPA</b>	Formulated to comply
<b>ROHS</b>	Formulated to comply
<b>REACH/SVHC</b>	Formulated to comply
<b>EN-71</b>	Formulated to comply

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 1</b>	<b>Instability 1</b>	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2</b>	<b>Flammability 1</b>	<b>Physical Hazard 1</b>	<b>Personal protection B</b>



**Prepared By** FUJIFILM Environment, Health and Safety, phone: 800-473-3854

**Revision Date** 31-Dec-2014

**Revision Note** No information available

**Disclaimer** **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 to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

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