

**T****SAFETY DATA SHEET**

(According to ANSI Z400.1-2004)

PRODUCT NAME: 4148 FILM**Version: rev. A****Date Prepared: April 9, 2018****1. IDENTIFICATION OF PRODUCT AND COMPANY**

Product Name: **4148 FILM**
Version DP (DP4148)
 Company: ULANO® CORPORATION
 110 Third Avenue
 Brooklyn, NY 11217
 Phone: 718-237-4700
 Fax: 718-802-1119
 Emergency contact: 1-800-424-9300 (CHEMTREC)

MSDS prepared by: P. Drago

Recommended use: Manufacture of stencils for screen printing

2. HAZARD IDENTIFICATION OF THE PREPARATION

This preparation is not classified as hazardous according to 29CFR 1910-1200.

Appearance: Emulsion coated polyester

Odor: None

Potential Health Effects: See Section 11 for more information

Potential Health Effects, Eyes: No known effect

Potential Health Effects: Skin: No known effect

Potential Health Effects: Ingestion: Ingestion of this product may be irritating to the digestive system.

Potential Health Effects: Inhalation: No known effect

Target Organs: not known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Potential Environmental Effects: See Section 12 for more information.

3. COMPOSITION/INFORMATION ON INGREDIENTSMixture of the below mentioned hazardous materials with non-hazardous compounds.
Hazardous compounds:

EINECS-No	Name	Hazard	%content
CAS-No.	R-phrases		
n.a.	n.a.		

MATERIAL IS A SOLID

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4. FIRST AID MEASURES

Inhalation:

No known hazard.

Ingestion:

This product is not considered an ingestion hazard. .

Skin Contact:

Polyester sheets can cause minor cuts. Use care in handling.

Eye Contact:No known hazard.

5. FIRE-FIGHTING MEASURES

Flammable:	n.a
Means of extinction:	treat surrounding fire
Unsuitable extinguishing media:	Hard water stream
Flash point:	n.a
Upper flammable limit:	n.a
Explosion data impact:	n.a
Lower flammable limit:	n.a
Explosion data static:	n.a
Hazardous combustion products:	typical carbon oxygen compounds.
Autoignition temp:	n.a

Fire fighters should wear SCBA for fighting fires in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

This material is not a hazardous waste.

7. HANDLING AND STORAGE

Store at room temperature.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit:

CAS #	Name	OSHA TWA	ACGIH TWA
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No exposure limits established for ingredients

Engineering controls

General- not required

Local exhaust- not required

Other- none

Personal Protection

Gloves- not required

Respirator- not required

Eye protection- not required

Protective footwear- not required

Protective clothing- not required

Other- none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: coated polyester film

Color: Green

Odor: none

Flash point: n.a

Ignition temperature: n.a

Specific gravity: n.a

Viscosity: n.a

Explosion limits: n.a

Boiling point: n.a

Vapour density: n.a

Vapour pressure: n.a

Freezing point: n.a

pH: n.a

Coefficient of water/ oil distribution: unexposed emulsion layer is water soluble

Volatile Organic Compounds: less than 0.01%

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see Section 7).

Store as a non-hazardous solid

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11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

General information:

Effects of acute exposure:	none known.
Irritancy of product-	none known
Skin sensitization-	none reported
Respiratory sensitization-	none known
Carcinogenicity-	no
IARC-	no
ACGIH -	no
Reproductive toxicity -	none known
Teratogenicity -	none known
Embryotoxicity -	none known
Mutagenicity -	none known

Name of synergistic products/effects- none known

12. ECOLOGICAL INFORMATION

Not believed to be an ecological hazard

13. WASTE DISPOSAL INFORMATION

Polyester film can be disposed of as a non-hazardous solid waste
 Empty container: scrap recycling or re-conditioning
 Soiled container: n.a

14. TRANSPORT INFORMATION

ADR: (Europe)	Class: Not regulated
RID (Europe: RAIL)	Class: Not regulated
DOT: (USA)	Class: Not regulated
IATA: (AIR)	Class: Not regulated
IMDG: (Ocean)	Class: not regulated
UN #	n.a
Packaging group:	n.a
EMS:	n.a
Marine pollutant:	No

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15. REGULATORY INFORMATION

Global Inventories (components):

TSCA: United States - included

DSL: Canada - included

ENCS: Japan - included

EINECS: Europe - included

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of information required by the CPR, and it is not classified as a hazardous material.

Labeling: n.a

R-phrases: n.a

S-phrases: n.a

Special labeling: n.a

National Regulation for Germany: Water pollution class: 1

16. OTHER INFORMATION

HMIS: Health 1, Flammability 0, Reactivity 0

Text of risk phrases mentioned in Section 2:

n.a

For further information please refer to our technical information sheet. Data in this MSDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.

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