

Sprinter Marking, Inc    Safety Data Sheet  
14283 Film Inks, Yellow    SDS Revision Date: 03/03/2016

**1. Identification**

**Product name:** 14283 Film Inks, Yellow

**Effective Date:** March 3, 2016

**Company Name:** Sprinter Marking, Inc.  
1805 Chandlersville Road  
Zanesville, Ohio 43701 USA

**Information Contact:** 740.453.1000; Fax: 740.453.6750; E-mail: sales@sprintermarking.com

**Emergency Contact:** ChemTel 1-800-255-3924 (MIS0006470)  
(24 Hours) International +01-813-248-0585

**Product Use:** Printing Ink

**2. Hazards Identification**

**Emergency Overview**

*WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRES. VAPOR HARMFUL.  
HARMFUL IF SWALLOWED. IRRITANT*

**Classification of the Product:** Hazardous

**Label Elements**



Pictograms  
Signal Word  
Hazard Statement

**WARNING!**

H226 Flammable liquid and vapor  
H319 Causes serious eye irritation

Precaution Statement

**Prevention**

P210 Keep away from open flames/hot surfaces – No smoking.  
P233 Keep container tightly closed  
P240 Ground/bond container and receiving equipment  
P243 Take precautionary measures against static discharge  
P264 Wash skin thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container to an approved waste disposal plant.

#### Response

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P305 + P351 + P338 IF IN 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

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

#### Classification of the Product

NFPA	Health 2 Flammability 3 Reactivity 0
HMIS	Health 2 Flammability 3 Reactivity 0

### 3. Composition / Information on Ingredients

**Substance/Mixture:** Mixture

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Content</u>
1569-01-3	Glycol Ether PNP	0%-90%
2807-30-9	Glycol Ether EP	0%-80%
25498-49-1	Glycol Ether TPM	0%-25%
112-34-5	Glycol Ether DB	0%-25%
71-23-8	n-Propanol	5%-10%
67-63-0	Isopropyl Alcohol	<1%-10%
107-98-2	Glycol Ether PM	<1%-5%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

#### Risk and Safety Phrases:

Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No. 1272/2008) and according to DSD (Dangerous Substances Directive (67/548/EEC)) and DPD (Dangerous

Preparations Directive (1999/45/EC)) and no workplace-related occupational exposure limits are specified for any of the listed ingredients. These ingredients are regarded as trade secrets.

#### 4. First Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.
Skin Contact	Remove contaminated clothes as needed. Wash off with soap and water or shower. If irritation or rash develops, get prompt medical attention
Eye Contact	Carefully flush with water for at least 15 minutes. Get prompt medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 5. Fire Fighting Measures

Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical, carbon dioxide
Advice for Firefighters	Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.
Flashpoint/Flammability	75°F (24°C)(Tag closed cup)/ Flammable (Mixture)

#### 6. Accidental Release Measures

Environmental Precautions	This product should not be released into the environment
Methods and Materials for Containment and Cleaning Up	Do not release into sewers or waterways. Vapors may ignite. Contain spill with dike to prevent entry into sewers or waterways. For large spills, dike and pump into properly labeled containers for reclamation or disposal. For small spills, soak up with absorbent material and place into properly labeled containers for disposal. All recovered material should be packaged, labeled, transported, and disposed of or reclaimed in conformance with applicable laws and regulations.

#### 7. Handling and Storage

Safe Handling	Use under ventilated conditions. Avoid eye and skin contact. For personal protection, we recommend that employees wash thoroughly after handling product. Always wash before eating,
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smoking, or using toilet facilities. Keep container closed when not in use. Keep container upright to prevent leakage.

**Storage**

Keep the sample in a cool, dry, ventilated area. Keep container closed when not in use. Do not store near heat and open flame.

**8. Exposure Controls / Personal Protection**

**Personal Protective Equipment**      Wear safety goggles, water resistant impervious gloves, and protective clothing if handling bulk materials.

**Exposure Limits**

<i><b>Component</b></i>	<i><b>Source</b></i>	<i><b>Type</b></i>	<i><b>ppm</b></i>	<i><b>mg/m3</b></i>	<i><b>Note</b></i>
Glycol Ether PNP					None established
Glycol Ether TPM					None established
Glycol Ether DB	Dow IHG	TWA	35ppm		
	ACGIH	TWA	10ppm		
n-Propanol	OSHA	PEL	200ppm	500mg/m3	
	ACGIH	TVL	100ppm		
Glycol Ether EP	Eastman Chemical	TWA	25ppm		
Isopropyl Alcohol	OSHA Z1	TWA	400ppm	980mg/m3	
	ACGIH	STEL	400ppm		
	ACGIH	TWA	200ppm		
Glycol Ether PM	ACGIH	STEL	100ppm		
	ACGIH	TWA	50ppm		

**Respiratory and Ventilation**      Wear approved NIOSH/MSHA respirator if exposure to mist or vapor exceed applicable PEL/TLV limits. Use in accordance with manufacturer’s use limitations and OSHA STANDARD 1910-34.  
Local ventilation may be used to prevent routine inhalation. Use explosion-proof equipment.

**Skin Protection**      Wear impervious gloves if handling bulk amounts.  
**Eye Protection**      Wear goggles where spills or splashing may occur.

**9. Physical and Chemical Properties**

**Appearance**      Colored  
**Physical State**      Liquid  
**Color**      Various (see section 16 for full list)  
**Odor**      Glycol Ether odor

Boiling Point	Not determined
Freezing Point	Not determined
State (pH)	Not applicable
Specific Gravity	Not determined
Viscosity	Not determined
Flashpoint	75°F (24°C)(Tag closed cup)
Vapor Pressure	Not determined
Vapor Density	Not determined
Solubility in Water	Partial

## 10. Stability and Reactivity

Reactivity	Not expected to be reactive
Chemical Stability	Product is stable under normal storage conditions
Conditions to Avoid	Elevated temperatures. Static electricity may accumulate and create a fire ignition hazard. Move container from fire area if possible.
Incompatible materials	Strong acids, strong bases, strong oxidizers
Hazardous Decomposition Products	Including but not limited to: Aldehydes, Ketones, Organic acids

## 11. Toxicological Information

Health Effects	Studies have not been performed on this particular mixture. The information below is based on data of the individual ingredients.
Oral	<p>Glycol Ether EP:LD50&gt;3089mg/kg (rat)</p> <p>Glycol Ether PNP:LD50&gt;2000mg/kg (rat)</p> <p>Glycol Ether TPM:LD50&gt;3180-5460mg/kg (rat, 4 studies)</p> <p>Glycol Ether DB:LD50&gt;3305mg/kg (rat)</p> <p>Glycol Ether DB:LD50&gt;2410mg/kg (mouse)</p> <p>n-Propanol:LD50&gt;2000mg/kg (rat)</p> <p>Glycol Ether EP:LD50&gt;3089mg/kg (rat)</p> <p>Isopropyl Alcohol:LD50&gt;5840mg/kg (rat)</p> <p>Glycol Ether PM:LD50&gt;4016mg/kg (rat)</p>
Inhalation	<p>Glycol Ether EP:LD50&gt;2132ppm (rat)</p> <p>Glycol Ether PNP:LD50&gt;8.34mg/l (rat, no deaths occurred)</p> <p>n-Propanol:LD50&gt;20mg/l (rat)</p> <p>Glycol Ether EP:LD50&gt;2132ppm (rat)</p> <p>Isopropyl Alcohol:LD50&gt;25000mg/m3 (rat)</p> <p>Glycol Ether PM:LD50&gt;25.8mg/l (rat)</p>
Dermal	<p>Glycol Ether EP:LD50&gt;1337mg/kg (rabbit)</p> <p>Glycol Ether TPM:LD50&gt;15440mg/kg (rabbit)</p> <p>Glycol Ether PNP:LD50&gt;2000mg/kg (rabbit)</p> <p>Glycol Ether DB:LD50&gt;2764mg/kg (rabbit)</p> <p>n-Propanol:LD50&gt;2000mg/kg (rabbit)</p>

	Glycol Ether EP:LD50>1337mg/kg (rabbit)
	Isopropyl Alcohol:LD50>13900mg/kg (rabbit)
	Glycol Ether PM:LD50>2000mg/kg (rabbit)
Eye Effects	May cause serious eye irritation
Skin Effects	May cause mild skin irritation

## 12. Ecological Information

Toxicity	Not expected to be harmful to the environment
Aquatic toxicity	No data available
Persistence and degradability	Readily biodegradable
Bioaccumulative potential	No data available
Mobility in soil	No data available

## 13. Disposal Information

Dispose of all waste material in accordance with all applicable federal, state, and local regulations for the disposal of flammable aqueous polymer wastes.

## 14. Transportation Information

### US DOT Classification

Shipping Name	Printing Ink, Flammable
Technical Shipping Name	Printing Ink, Flammable
Hazard Class	3
UN Number	1210
Packing Group	II

### IMDG

Shipping Name	Printing Ink, Flammable
Technical Shipping Name	Printing Ink, Flammable
Hazard Class	3
UN Number	1210
Packing Group	II
EmS Number	F-E, S-D

### ICAO/IATA

Shipping Name	Printing Ink, Flammable
Technical Shipping Name	Printing Ink, Flammable
Hazard Class	3
UN Number	1210
Packing Group	II

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations, and rules relating to the transportation of the materials.*

## 15. Regulatory Information

Safety, health, and environmental regulations/legislations specific for the substance or mixture

### SARA

Section 355 (extremely hazardous substances)

This product contains no known chemicals regulated under SARA 355

Section 313 (Specific toxic chemical listing)

This product contains no known chemicals regulated under SARA 313

TSCA (Toxic Substance Control Act)      All ingredients are listed

*Proposition 65*      As of March 3, 2016 this product contains no listed substances known to the State of California to cause birth defects or other reproductive harm at levels which would require a warning under the statute.

### Carcinogenic Categories

EPA (Environmental Protection Agency)      Not applicable to this mixture

TLV (Threshold Limit Value established by ACGIH)      Not applicable to this mixture

MAK (German Maximum Workplace Concentration)      Not applicable to this mixture

NIOSH-Ca (National Institute for Occupational Safety & Health)      Not applicable to this mixture

OSHA-Ca (Occupational Safety & Health Administration)      Not applicable to this mixture

## 16. Other Information

### Product Description

Product No.	Color	Product No.	Color
BI-6286	Black Film (250)	BI-7187	Purple Film
BI-6539	Green Film PMS 347	BI-7188	Tan Film
BI-6735	Blue Film	BI-7189	Film Blue
BI-7186	Green Film	BI-7217	White Pigment Film

<b>Product No.</b>	<b>Color</b>	<b>Product No.</b>	<b>Color</b>
BI-7251	Red Film PMS 199	BI-7681	Black Film PMS 426
BI-7265	Blue Film PMS 311	BI-7707	Green Film PMS 341
BI-7446	Red Film PMS 201	BI-7741	Cool Gray #7-20
BI-7526	Orange Film PMS 141	BI-7770	Green PMS 341 (KCI)
BI-7527	Yellow Film PMS 601	BI-7792	KCI Gray Film
BI-7528	Green Film PMS 345	BI-7795	KCI Gray Film
BI-7531	Red Film PMS 1785	BI-7890	Brown Film PMS 748
BI-7675	Black Film (GR)	BI-7903	Green Film PMS 348
BI-7031	Yellow Film PMS 129C	BI-8261	Orange Film PMS 165
BI-7032	Green Film PMS 3282C	BI-7031	Purple Film PMS 2655C
BI-5099	213-20 Yellow	BI-7078	Rhodamine Red Film
BI-7033	Pink Film PMS 189C	BI-7122	Brown Film PMS 154
		BI-7408	Red Film PMS 186

### ***Abbreviations and Acronyms***

#### **NFPA (SCALE 0-4) National Fire Protection Association (USA)**

Health: 2      Warning. May be harmful if inhaled or absorbed

Fire: 3      Warning. Flammable liquid flash point below 100°F

Reactivity: 0      Stable. Not reactive when mixed with water

#### **HMIS (SCALE 0-4) Hazardous Materials Identification System (USA)**

Health: 2      Temporary or minor injury may occur

Fire: 3      Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73°F and boiling points above 100°F as well as liquids with flash points between 73°F and 100°F.

Reactivity: 0      Materials which are normally stable even under fire conditions, and which will not react with water.

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

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

This product is RoHS and REACH compliant. It does not contain any of the RoHS listed substances. It does not contain any chemical from the candidate list of Substances of Very High Concern (SVHC), Annex XIV, or Annex XVII of Reach.

This information is based on our present knowledge. However, it does not constitute a guarantee for any specific product properties.



Sprinter Marking urges the recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. The use of this product is beyond the control Sprinter Marking or its distributor, therefore, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product.

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