

SAFETY DATA SHEET (SDS)



Jacquard Products
Manufactured by Rupert, Gibbon & Spider, Inc.
P.O. Box 425 | Healdsburg, CA 95448
800.442.0455 | Fax: 707.433.4906
www.jacquardproducts.com

Important information

The Hazard Communication Standard (HCS) requires importers and manufacturers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products.

As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the new headings.

SDSs that represent non-hazardous chemicals are not covered by the HCS. Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that “the employer shall maintain in the workplace copies of the required SDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their work area(s).” OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non hazardous chemicals.

SDS are only required for materials that are hazardous. Often times, manufacturers are asked for MSDS’s for products that do not meet this requirement - manufacturers are under no obligation to produce SDS’s for non-hazardous materials. OSHA discourages the production of MSDS & SDS for non-hazardous materials.

An **“article”** means a manufactured item: (1) which is formed to a specific shape or design during manufacture (2) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (3) which does not release, or otherwise result in exposure to, a hazardous chemical under normal conditions of use. Any product which meets the definition of an “article” would be exempt from the requirements of the Standard.

The definition above has been amended to permit the release of “very small quantities, e.g., minute or trace amounts” of a hazardous chemical and still qualify as an article provided that a physical or health risk is not posed to the employees (59 F.R. 6146). In evaluating an article, one must consider the health risk which exposure to that article presents. (The term “risk” as opposed to “hazard” is used here, since the hazard is an inherent property of the chemical and exists no matter the quantity of exposure. To be exempted as an article, exposure must not pose a risk to employee health.)

Note that OSHA cannot make an across-the-board determination of a products’ exclusion as an “article.” The standard’s definition by its very wording imposes the need to make case-by-case evaluations. Consequently, a blanket exemption for specific products cannot be given by OSHA.

The HCS **exempts** any **consumer product** or hazardous substance, as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.

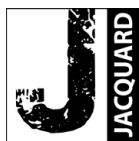
According to the first OSHA interpretation listed below, “...clerical workers...may not be subject to the requirements of the HCS. Office workers who encounter hazardous chemicals only in isolated instances are not covered by the rule.” The Occupational Safety and Health Administration (OSHA) considers most office products (such as pens, pencils, adhesive tape) to be exempt under the provisions of the rule, either as articles or as consumer products.

Jacquard’s pen and marker products are considered either: a) articles b) office products and/or c) consumer products and are exempted from the requirements of the Standard(s) and do not require SDS (unless otherwise noted).

Nonetheless, some downstream clients may insist on an SDS even when one is not required. In such cases, OSHA has suggested providing a written statement such as “*This product is not considered to be or to contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, 29 CFR 1910.1200.*” This gives the requesting party something that they can put in their files and saves the manufacturer from needless work.

For more information refer to: <https://www.osha.gov/html/faq-hazcom.html>

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Tee Juice Fabric Markers (Broad Point) - Pg 1

Revision Date: 03/05/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	TEE JUICE FABRIC MARKERS (BROAD POINT)	
Product Number/Code:	PEN0001-0016 (ALL COLORS)	
Recommended Use:	Drawing on fabric	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.	
Toxicological Data on Ingredients:	
Hazard Classification	Not hazardous
Physical Hazards:	Not classified
Health Hazards:	Not classified
Environmental Hazards:	Not classified
Label Elements	
Pictogram:	None
Signal Words:	None
Hazard Statements-EU:	The mixture does not meet the criteria for classification.
Precautionary Statements-EU:	
Prevention:	See section 8
Response:	See sections 4, 5 & 6
Storage:	See section 7
Disposal:	See section 13
Hazard(s) not otherwise classified:	None known

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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	CAS #	OSHA-PEL	ACGIH-TLV	STEL
Acrylic Polymer Emulsion	N/L	N/L	N/L	N/L
Defoamer	N/L	N/L	N/L	N/L
Surfactant	N/L	N/L	N/L	N/L
Silicone Emulsion	N/L	N/L	N/L	N/L
Caster Oil	N/L	N/L	N/L	N/L
Titanium Dioxide	13463-67-7	10 mg/m3	10 mg/m3	N/L
Pigments	Mixture	N/L	N/L	N/L

This product has not been tested on animals, but the Toxicologist reviewing this product has judged the formulation to be "Not Rated Acutely Toxic". It is not likely to be an irritant to the eyes or skin. However, as with all chemical mixtures, it is prudent to avoid contact with eyes and skin.

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
In the event of eye contact:	Wash immediately with large amounts of water for 15 minutes. Get medical attention if necessary. Do not wear contact lenses while handling.
In the event of swallowing:	Dilute with water and get medical attention immediately.
In the event of exposure by inhalation:	Move to fresh air.
Additional information:	Aside from the information found under description of first aid measures and indication of immediate medical attention and special treatment needed any additional important information and effects are described in Section 11.

SECTION 5 - FIREFIGHTING MEASURES

Flammability of the product:	Not flammable
Auto-ignition temperature:	Unknown
Flash points:	Not combustible
Products of combustion:	N/A
Fire hazards in presence of various substances:	N/A
Special hazards arising from the substance or mixture (hazardous combustion products):	No data available
Unusual fire/explosion hazards:	Material in liquid form can splatter above 100°C/212°F. Dried product can burn.
Suitable extinguishing media:	Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media:	No data available
Advice for firefighters/firefighting procedures:	No data available
Special protective equipment for firefighters:	Wear a self contained breathing apparatus and protective suit.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Keep people away from the spill or leak. Material may cause slippery conditions.
Methods and material for containment and clean up:	Contain the spill immediately with inert material such as kitty litter, sand or earth. Transfer the spilled paint and solid material to separate suitable containers for recovery or responsible disposal.
Environmental procedures:	Caution keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with eyes, skin and clothing. Wash their release after handling. Keep jars and containers tightly closed when not in use.
Conditions for safe storage including any incompatibilities:	Do not freeze. Product stability will be affected. Stir or shake well before use.
Storage stability/storage temperature:	1 - 49°C / 434 - 120°F. Do not freeze. Formaldehyde may be generated under acidic conditions. Maintain adequate ventilation under these conditions to prevent exposure to formaldehyde above the recommended ceiling of 0.3 ppm. Acidic conditions will also affect stability of product. Avoid acidic conditions for material.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Individual protection measures, such as personal protective equipment:	
Eye/face protection:	Safety glasses with side shields.
Hand protection:	Gloves
Environmental exposure controls:	Facilities storing or utilizing this material and large volume should be equipped with an eyewash station.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Colored liquid - low/medium viscosity
Color:	See label for color of product
Type of Odor:	Slight acrylic odor
Odor threshold:	N/A
Taste:	N/A
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	100°C/212°F
Freezing Point:	0°C/32°F
Flammability Classification:	N/A
Flash Point:	Non-combustible
Melting Point:	No data available
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Flammability Limits (lower/upper):	N/A
Evaporation rate:	<1
Vapor Pressure:	22.665 @ 20°C water
Vapor Density (Air=1):	N/A
Octanol/Water Partition Coefficient (log Pow):	N/A
Specific Gravity:	1.2
Bulk Density:	N/A
Water Solubility:	Dilutable
pH:	9.5
Viscosity:	4,000-46,000 cps
Kinetic Viscosity:	N/A
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Molecular Formula:	N/A
Molecular Weight:	N/A
Relative Density:	+/- 1.2
Volatility:	< 30%

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	No data available
Stability:	Stable
Possibility of hazardous reactions:	None known - product may undergo polymerization
Conditions to avoid:	Extreme cold or heat
Incompatible materials:	Strong acids
Hazardous decomposition products:	Thermal decomposition may yield acrylic monomers

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:	
Acute toxicity (list all possible routes of exposure)	
Acute Inhalation Toxicity:	The LC 50 has not been determined at this time.
Skin Corrosion/irritation:	Skin irritation may occur
Serious Eye Damage / Eye Irritation:	No eye irritation
Respiratory or Skin Sensitization:	No data available
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity - single exposure (STOT-se):	No data available
Specific Target Organ Toxicity - repeated exposure (STOT-re):	No data available
Aspiration Hazard:	No data available
Components influencing toxicology:	Residual Monomers
Acrylic Polymers:	Acute inhalation toxicity: The LC 50 has not been determined at this time.
Residual Monomers:	No information at this time.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
General Information:	No information available at this time
Acrylic Polymers:	Acute toxicity to fish: no relevant data found
Residual Monomers:	Acute toxicity to fish; no relevant data found
Persistence and degradability:	N/A
Acrylic Polymers:	Biodegradability: no relevant data found
Residual Monomers:	N/A
Biodegradability:	No relevant data found
Bioaccumulation potential:	N/A
Acrylic Polymers:	N/A
Bioaccumulation:	No relevant data found
Mobility in soil:	No relevant data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	Dispose in accordance with local regulation.

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SECTION 14 - TRANSPORT INFORMATION

General Information:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
UN number:	Not relevant
UN proper shipping name:	Not relevant
Transport hazard class:	Not relevant
Packing group:	Not relevant
Environmental Hazards:	
Environmentally hazardous substance:	No
Special precautions for user:	Not relevant

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Hazard categories	
OSHA Hazard Communication Standard:	This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).
Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312:	This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.
Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313:	This product does not contain any chemicals which are listed in Section 313 at or above de minimis concentrations.
Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103:	Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.
Pennsylvania:	Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this SDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.
United States TSCA Inventory (TSCA):	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
California Prop 65:	This product does NOT contain any chemicals known to the state of California to cause cancer.

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	0
Flammability:	0
Reactivity:	0
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

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Disclaimer:

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

Revision Date: 03/05/2018

National Chemical Inventories:

All components of this product are listed on the following chemical substance inventories: TSCA (USA)

DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System