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

Revision Date: 02/26/2024

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	**PEARL EX VARNISH**	
Product Number/Code:	**JAC1649**	
Recommended Use:	Water-based top coat	
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:	
Signal Words:	WARNING
Hazard Statements-EU:	Can cause eye irritation.
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	**Content in percent (%)***	**CAS #**	**EINECS No.**
Dipropylene Glycol Monobutyl Ether	1-5%	29911-28-2	
Propylene Glycol Monobutyl Ether	1-5%	29387-86-8	
Ethylene Glycol Monobutyl Ether	0-5%	111-76-2	

***If chemical name/CAS number is "proprietary" and/or percentage is listed as a range, the specific chemical has been withheld as "trade secrets."*

NOTE: THE FORMULATION OF THIS PRODUCT DOES NOT CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
In the event of skin contact:	Flush skin with soap and water while removing contaminated clothing. If irritation occurs, seek immediate medical attention. Do not reuse clothing or shoes until thoroughly cleaned. Wash hands, face and exposed areas thoroughly after handling.
In the event of eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek medical aid if irritation persists.
In the event of swallowing:	Do not induce vomiting, and seek immediate medical attention. Do not attempt to give any liquids if victim is unconscious.
In the event of exposure by inhalation:	Immediately remove victim to fresh air. If victim is not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.
Most important symptoms and effects, acute and delayed:	Can cause eye irritation.
Note to physician:	Treat symptomatically.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	Water, dry chemical, or CO2 when appropriate, based on local regulations and environmental impacts.
Flashpoint:	Not applicable.
Unsuitable extinguishing media:	None determined.
Special hazards arising from the substance or mixture:	Closed containers may burst due to the build up of steam.
Advice for fire fighters:	As in any fire, wear self-contained breathing apparatus (NIOSH) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Put on appropriate personal protective equipment. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or mist.
Environmental procedures:	Contain spill to as small an area as possible. Prevent spill from entering storm drains and waterways. Dispose of waste in an appropriate method.

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SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	KEEP OUT OF REACH OF CHILDREN. Avoid freezing. Store in original sealed container. Avoid exposure to bacteria or other organism which will break down the product over time.
Conditions for safe storage including any incompatibilities:	Avoid freezing. Store in original sealed container. Avoid exposure to bacteria or other organism which will break down the product over time. No incompatibilities known.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Occupational exposure limits:	None
Appropriate engineering controls:	Provide exhaust ventilation, eye wash stations, showers.
Individual protection measures, such as personal protective equipment:	
Eye/face protection:	Use chemical splash goggles.
Skin protection:	Wear protective clothing.
Hand protection:	Wear protective gloves.
Other protective equipment:	Use good industrial hygiene and safety. Do not eat, drink or smoke when using this product. Wash face, hands and clothing thoroughly after each use.
Respiratory protection:	Wear NIOSH/MSHA-approved respiratory protection.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Liquid
Color:	Milky white
Type of Odor:	Mild
Odor threshold:	Not available
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	212°F / 100°C
Melting Point/Freezing Point:	Not available
Flammability Classification:	Not available
Flash Point:	Not applicable
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Flammability Limits (lower/upper):	Not available
Evaporation rate:	Slower than butyl acetate.
Vapor Pressure:	Not available
Vapor Density (Air=1):	Heavier than air.
Volatile Organic Compounds:	1.6 lbs/g
Octanol/Water Partition Coefficient (log Pow):	Not available
Specific Gravity:	1.04 g/l
Bulk Density:	Not available
Water Solubility:	Complete
Weight per gallon:	8.5
pH:	Not available
Viscosity:	Not available
Explosive Properties:	Not available
Oxidizing Properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available
Relative Density:	Not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Stability:	Stable
Possibility of hazardous reactions:	None under normal conditions.
Conditions to avoid:	Avoid freezing.
Incompatible materials:	None known
Hazardous decomposition products:	None known

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects: Acute toxicity (list all possible routes of exposure)	
Acute Oral Toxicity:	LD50 (Rat): >5,000 mg/kg
Acute Dermal Toxicity:	LD50 (Rabbit): >5,000 mg/kg
Acute Inhalation Toxicity:	Not available
Skin Corrosion/Irritation:	Not available
Serious Eye Damage / Eye Irritation:	Not available
Respiratory or Skin Sensitization:	Not available
Germ Cell Mutagenicity:	Not available
Carcinogenicity:	Based on the information provided this product does not contain any carcinogens as listed by OSHA.
Reproductive Toxicity:	Not available
Specific Target Organ Toxicity - single exposure (STOT-se):	Not available
Specific Target Organ Toxicity - repeated exposure (STOT-re):	Not available
Aspiration Hazard:	Not available
Potential Health Effects:	
Skin Contact:	Avoid direct contact.
Eye Contact:	Can cause eye irritation.
Ingestion:	Do not ingest.
Inhalation:	Do not inhale.
Chronic Health Effects:	Not available
Additional Data:	See section 4.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
Acute/prolonged toxicity to fish:	This product is not classified as environmentally hazardous.
Acute/prolonged toxicity to aquatic invertebrates:	This product is not classified as environmentally hazardous.
Acute/prolonged toxicity to aquatic plants:	This product is not classified as environmentally hazardous.
Toxicity to bacteria, to soil dwelling organisms and to terrestrial plants:	This product is not classified as environmentally hazardous.
Chronic toxicity to aquatic organisms:	This product is not classified as environmentally hazardous.
General effect:	This product is not classified as environmentally hazardous.
Persistence and degradability:	Not determined
Bioaccumulative potential:	Not determined
Mobility in soil:	Not determined
Other adverse effects:	Not determined

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SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Container Disposal:	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Container disposal should be in accordance with applicable local, regional and national regulations.

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

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SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Hazard categories	
United States Regulations:	
SARA (Superfund Amendments and Reauthorization Act - SARA 311/312	Not applicable
SARA (Superfund Amendments and Reauthorization Act - SARA 313	To the best of our knowledge this product is not listed as toxic.
CWA (Clean Water Act):	To the best of our knowledge this product is not listed as a pollutant.
California Prop 65:	To the best of our knowledge this product does not contain any Proposition 65 chemicals.

SECTION 16 - OTHER INFORMATION

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

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: 02/26/2024

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	Wassergefahrdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System