



# SAFETY DATA SHEET

02981-0000

US

## 1. Identification

<b>Product identifier</b>	<b>PIÑATA ALCOHOL INKS - Standard Colors</b>
<b>Other means of identification</b>	
<b>Product code</b>	002, 003, 004, 005, 006, 007, 008, 009, 011, 013, 015, 016, 017, 019, 020, 021, 023, 025, 027, 029, 030, 031, 033, 036
<b>Recommended use</b>	Arts & crafts.
<b>Recommended restrictions</b>	All other uses.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	Jacquard Products   Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 USA
<b>Telephone number</b>	1-800-442-0455 / 1-707-433-9577
<b>Fax</b>	1-707-433-4906
<b>Website</b>	www.jacquardproducts.com
<b>E-mail</b>	service@jacquardproducts.com
<b>Emergency telephone number</b>	ChemTel, Inc. - Contract #MIS9128344  N.America: 1-800-255-3924 International: 1-813-248-0585

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Highly flammable liquid and vapor. Causes serious eye irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Wear eye protection.
<b>Response</b>	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. In case of fire: Use appropriate media to extinguish.
<b>Storage</b>	Store in a well-ventilated place. Keep cool.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

PIÑATA ALCOHOL INKS - Standard Colors

SDS US

956810 Version #: 01 Revision date: - Issue date: 22-February-2021

Item Numbers: 02981-0051, 02981-1009, 02981-1019, 02981-1029, 02981-1091, 02981-1094, 02981-1201, 02981-1204, 02981-1301, 02981-1304, 02981-1401, 02981-1404, 02981-1501, 02981-1504, 02981-1514, 02981-1601, 02981-1604, 02981-1701, 02981-1704, 02981-1801, 02981-1804, 02981-1901, 02981-1904, 02981-2001, 02981-2004, 02981-2101, 02981-2104, 02981-3061, 02981-3064, 02981-3701, 02981-3704, 02981-3791, 02981-3794, 02981-4091, 02981-4094, 02981-4631, 02981-4634, 02981-4921, 02981-4924, 02981-4951, 02981-4954, 02981-5081, 02981-5084, 02981-5164, 02981-5291, 02981-5294, 02981-5391, 02981-5394, 02981-5501, 02981-5504, 02981-6434, 02981-8161, 02981-9054, 02981-9501, 02981-9504, 02981-1039

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### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%
Ethanol	64-17-5	50 - 70
Propyl acetate	109-60-4	1 - 5
Propan-2-ol	67-63-0	1 - 5
Ethylene glycol monopropyl ether	2807-30-9	10 - 15
Titanium dioxide	13463-67-7	0 - 15
isopropyl acetate	108-21-4	0 - 6.2
Solvent blue 70	12237-24-0	0 - <5
Solvent orange 62	67352-37-8	0 - <5
Diacetone alcohol	123-42-2	0 - <3
Basic yellow 37	6358-36-7	0 - <2.5
Solvent red 119	12237-27-3	0 - <2.5
Solvent red 49	509-34-2	0 - <2.5

### 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Highly flammable liquid and vapor.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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**Methods and materials for containment and cleaning up**

Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

**Environmental precautions**

**7. Handling and storage**

**Precautions for safe handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

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

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

**8. Exposure controls/personal protection**

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Diacetone alcohol (CAS 123-42-2)	PEL	240 mg/m3	
		50 ppm	
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3	
		1000 ppm	
isopropyl acetate (CAS 108-21-4)	PEL	950 mg/m3	
		250 ppm	
Propan-2-ol (CAS 67-63-0)	PEL	980 mg/m3	
		400 ppm	
Propyl acetate (CAS 109-60-4)	PEL	840 mg/m3	
		200 ppm	
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Diacetone alcohol (CAS 123-42-2)	TWA	50 ppm
Ethanol (CAS 64-17-5)	STEL	1000 ppm
isopropyl acetate (CAS 108-21-4)	STEL	150 ppm
	TWA	100 ppm
Propan-2-ol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Propyl acetate (CAS 109-60-4)	STEL	150 ppm
	TWA	100 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Diacetone alcohol (CAS 123-42-2)	TWA	240 mg/m3
Ethanol (CAS 64-17-5)	TWA	50 ppm
		1900 mg/m3
Propan-2-ol (CAS 67-63-0)	STEL	1000 ppm
		1225 mg/m3
		500 ppm
Propyl acetate (CAS 109-60-4)	TWA	980 mg/m3
		400 ppm
		1050 mg/m3
	STEL	250 ppm
		840 mg/m3
	TWA	200 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Skin protection**

**Other** Wear suitable protective clothing.

**Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance**

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Various.
<b>Odor</b>	Alcoholic.
<b>pH</b>	Neutral
<b>Melting point/freezing point</b>	Not determined.

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<b>Initial boiling point and boiling range</b>	> 95 °F (> 35 °C)
<b>Flash point</b>	57.2 °F (14.0 °C)
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	3.3 (Ethanol)
<b>Flammability limit - upper (%)</b>	19 (Ethanol)
<b>Vapor pressure</b>	57.3 hPa (19.6°C) (Ethanol)
<b>Vapor density</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water)</b>	Not applicable, product is a mixture.
<b>Auto-ignition temperature</b>	685.4 °F (363 °C) (Ethanol)
<b>Decomposition temperature</b>	Not determined.
<b>Other information</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Particle size</b>	Not applicable, material is a liquid.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Components of the product may be absorbed into the body through the skin.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

### Symptoms related to the physical, chemical and toxicological characteristics

Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

### Information on toxicological effects

**Acute toxicity** May be harmful if swallowed.

Components	Species	Test Results
Basic yellow 37 (CAS 6358-36-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg bw/day
<b>Oral</b>		
LD50	Rat	50 - 300 mg/kg bw/day

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Components	Species	Test Results
		300 mg/kg
Diacetone alcohol (CAS 123-42-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD0	Rat	> 1875 mg/kg bw/day
<b>Inhalation</b>		
LC0	Rat	7600 mg/m <sup>3</sup>
<b>Oral</b>		
LD50	Rat	3002 mg/kg
Ethanol (CAS 64-17-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Mouse	39 g/m <sup>3</sup> , 4 Hours
<b>Oral</b>		
LD50	Rat	7000 - 11000 mg/kg
Ethylene glycol monopropyl ether (CAS 2807-30-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	1300 mg/kg
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	> 2132 ppm, 6 hours
<b>Oral</b>		
LD50	Mouse	1774 mg/kg
	Rat	3089 mg/kg
isopropyl acetate (CAS 108-21-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 17.4 mg/kg
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	50600 mg/m <sup>3</sup> , 8 Hours
<b>Oral</b>		
LD50	Rat	6750 mg/kg
Propan-2-ol (CAS 67-63-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	12870 mg/kg
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	72.6 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	4710 mg/kg
Propyl acetate (CAS 109-60-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 17800 mg/kg, 24 Hours

Components	Species	Test Results
<b>Inhalation</b> <i>Vapor</i>		
LC50	Rat	32 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	8700 mg/kg
Solvent orange 62 (CAS 67352-37-8)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg bw/day, 14 day
Solvent red 119 (CAS 12237-27-3)		
<b>Acute</b>		
<b>Oral</b>		
<i>Solid</i>		
LD50		2000 mg/kg bw/day
Solvent red 49 (CAS 509-34-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	4095 mg/kg bw/day
<b>Oral</b>		
LD50	Rat	1185 mg/kg bw/day
Titanium dioxide (CAS 13463-67-7)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Propan-2-ol (CAS 67-63-0)	3 Not classifiable as to carcinogenicity to humans.	
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.	
<b>NTP Report on Carcinogens</b>		
Not listed.		
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>		
Not listed.		
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful.	
<b>Further information</b>	Ethanol is metabolized to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis and CNS depression.	

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Basic yellow 37 (CAS 6358-36-7)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) 0.016 mg/l, 48 h
Fish	LC50	Zebra danio (Danio rerio) 0.625 mg/l, 96 h
Diacetone alcohol (CAS 123-42-2)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna > 1000 mg/l, 48 hours
Fish	LC50	Oryzias latipes > 100 mg/l, 96 hours
Ethanol (CAS 64-17-5)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	LC50	Ceriodaphnia dubia 5012 mg/l, 48 hours
		Daphnia magna 454 mg/l, 11 days
Fish	LC50	Pimephales promelas 13480 mg/l, 96 hours
<i>Chronic</i>		
Crustacea	NOEC	Ceriodaphnia dubia 9.6 mg/l, 10 days
Ethylene glycol monopropyl ether (CAS 2807-30-9)		
<i>Chronic</i>		
	NOEC	Selenastrum capricornutum (Pseudokirchnerella subcapitata) 125 mg/l, 7 days
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Pimephales promelas 4926 mg/l, 96 hours
Propan-2-ol (CAS 67-63-0)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	LC50	Daphnia magna > 10000 mg/l, 24 hours
Fish	LC50	Pimephales promelas 9640 mg/l, 96 hours
<i>Chronic</i>		
Crustacea	EC50	Daphnia magna > 100 mg/l, 21 days
	NOEC	Daphnia magna 141 mg/l, 16 days
		30 mg/l, 21 days
Propyl acetate (CAS 109-60-4)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Pseudokirchnerella subcapitata 672 mg/l, 72 hours
Crustacea	EC50	Daphnia magna 91.5 mg/l, 48 hours
Fish	LC50	Pimephales promelas 60 mg/l, 96 hours
Solvent orange 62 (CAS 67352-37-8)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 24.1 mg/l, 48 h



Components	Species	Test Results
Solvent red 119 (CAS 12237-27-3)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae 0.27 mg/l, 72 hours
Crustacea	EC50	Americamysis bahia; Daphnia magna; Paratanytarsus parthenoge 0.12 mg/l, 48 hours
Solvent red 49 (CAS 509-34-2)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Desmodesmus subspicatus 13.4 mg/l, 72 hours
Crustacea	EC50	Daphnia 3.4 mg/l, 48 hours
Fish	LC50	Zebra danio (Danio rerio) 50 mg/l, 96 hours
Titanium dioxide (CAS 13463-67-7)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna > 100 mg/l, 48 Hours
Fish	LL50	Oryzias latipes > 100 mg/l, 96 Hours

**Persistence and degradability** Expected to be readily biodegradable.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Diacetone alcohol (CAS 123-42-2)	-0.098
Ethanol (CAS 64-17-5)	-0.31
Propan-2-ol (CAS 67-63-0)	0.05
Propyl acetate (CAS 109-60-4)	1.24
isopropyl acetate (CAS 108-21-4)	1.02

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

**DOT**

<b>UN number</b>	UN1170
<b>UN proper shipping name</b>	Ethanol solution
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No

PIÑATA ALCOHOL INKS - Standard Colors

SDS US

956810 Version #: 01 Revision date: - Issue date: 22-February-2021

Item Numbers: 02981-0051, 02981-1009, 02981-1019, 02981-1029, 02981-1091, 02981-1094, 02981-1201, 02981-1204, 02981-1301, 02981-1304, 02981-1401, 02981-1404, 02981-1501, 02981-1504, 02981-1514, 02981-1601, 02981-1604, 02981-1701, 02981-1704, 02981-1801, 02981-1804, 02981-1901, 02981-1904, 02981-2001, 02981-2004, 02981-2101, 02981-2104, 02981-3061, 02981-3064, 02981-3701, 02981-3704, 02981-3791, 02981-3794, 02981-4091, 02981-4094, 02981-4631, 02981-4634, 02981-4921, 02981-4924, 02981-4951, 02981-4954, 02981-5081, 02981-5084, 02981-5164, 02981-5291, 02981-5294, 02981-5391, 02981-5394, 02981-5501, 02981-5504, 02981-6434, 02981-8161, 02981-9054, 02981-9501, 02981-9504, 02981-1039

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**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Special provisions** 24, IB2, T4, TP1  
**Packaging exceptions** 4b, 150  
**Packaging non bulk** 202  
**Packaging bulk** 242

**IATA**

**UN number** UN1170  
**UN proper shipping name** Ethanol solution  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards** No  
**ERG Code** 3L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

**UN number** UN1170  
**UN proper shipping name** ETHANOL SOLUTION  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards**  
**Marine pollutant** No  
**EmS** F-E, S-D  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Ethylene glycol monopropyl ether (CAS 2807-30-9) Listed.  
 isopropyl acetate (CAS 108-21-4) Listed.  
 Propan-2-ol (CAS 67-63-0) Listed.  
 Propyl acetate (CAS 109-60-4) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Toxic Substances Control Act (TSCA)**

One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
 Serious eye damage or eye irritation

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Ethylene glycol monopropyl ether	2807-30-9	10 - 15
Propan-2-ol	67-63-0	1 - 5

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**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Ethylene glycol monopropyl ether (CAS 2807-30-9)  
Solvent orange 62 (CAS 67352-37-8)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.

**FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Ethanol (CAS 64-17-5)	Low priority
isopropyl acetate (CAS 108-21-4)	Low priority
Propan-2-ol (CAS 67-63-0)	Low priority
Propyl acetate (CAS 109-60-4)	Low priority

**US state regulations****US. Massachusetts RTK - Substance List**

Diacetone alcohol (CAS 123-42-2)  
Ethanol (CAS 64-17-5)  
isopropyl acetate (CAS 108-21-4)  
Propan-2-ol (CAS 67-63-0)  
Propyl acetate (CAS 109-60-4)  
Titanium dioxide (CAS 13463-67-7)

**US. New Jersey Worker and Community Right-to-Know Act**

Diacetone alcohol (CAS 123-42-2)  
Ethanol (CAS 64-17-5)  
Ethylene glycol monopropyl ether (CAS 2807-30-9)  
isopropyl acetate (CAS 108-21-4)  
Propan-2-ol (CAS 67-63-0)  
Propyl acetate (CAS 109-60-4)  
Solvent orange 62 (CAS 67352-37-8)  
Titanium dioxide (CAS 13463-67-7)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Diacetone alcohol (CAS 123-42-2)  
Ethanol (CAS 64-17-5)  
Ethylene glycol monopropyl ether (CAS 2807-30-9)  
isopropyl acetate (CAS 108-21-4)  
Propan-2-ol (CAS 67-63-0)  
Propyl acetate (CAS 109-60-4)  
Solvent orange 62 (CAS 67352-37-8)  
Titanium dioxide (CAS 13463-67-7)

**US. Rhode Island RTK**

Diacetone alcohol (CAS 123-42-2)  
Ethanol (CAS 64-17-5)  
isopropyl acetate (CAS 108-21-4)  
Propan-2-ol (CAS 67-63-0)  
Propyl acetate (CAS 109-60-4)  
Titanium dioxide (CAS 13463-67-7)

**California Proposition 65**

Reference to titanium dioxide is based on unbound respirable particles and is not generally applicable to product as supplied.

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Titanium dioxide (CAS 13463-67-7) Listed: September 2, 2011

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Ethylene glycol monopropyl ether (CAS 2807-30-9)  
Propan-2-ol (CAS 67-63-0)  
Solvent red 49 (CAS 509-34-2)  
Titanium dioxide (CAS 13463-67-7)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No

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Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	22-February-2021
<b>Revision date</b>	-
<b>Version #</b>	01
<b>HMIS® ratings</b>	Health: 2 Flammability: 3 Physical hazard: 0
<b>List of abbreviations</b>	DOT: Department of Transportation. EC50: Effective Concentration, 50%. IATA: International Air Transport Association. IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk. IMDG: International Maritime Dangerous Goods. LC50: Lethal Concentration, 50%. LD50: Lethal Dose, 50%. MARPOL: International Convention for the Prevention of Pollution from Ships. NOEC: No observed effect concentration. PEL: Permissible Exposure Limit. STEL: Short-Term Exposure Limit. TWA: Time Weighted Average Value.
<b>References</b>	IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices HSDB® - Hazardous Substances Data Bank
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