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**Safety Data Sheet (SDS) Report**

Applicant: BE CREATIVE ARTS AND CRAFTS CO.,LTD  
2ND FLOOR,BUL 10,FUTIAN 4TH SECTION,  
NORTH OF GONGREN ROAD,YIWU,ZHEJIANG,CHINA.

**SDS number: SHI109472012**

Issue Date: 2020-06-29

**Sample Description:**

The sample information was submitted and identified on client's behalf to be:

Product Name : Alcohol Ink Refill  
Butter,Peony,Coral,Lilac,Mint,Parchment,Blush,Fire Engine  
Red,Cadmium Red,Mustard,Cobalt Green,Kelly  
Green,Teal,Spruce,Turquoise,Lake Blue,Ocean  
Green,Midnight,Prussian Blue,Ultramarine  
Blue,Purple,Cobalt Blue,Lavender,Berry,Medium  
Magenta,Pink,Brown,Peat,Mars  
Black,Peach,Rose,Denim,Cadmium Yellow,Pthallo Green,  
Cornflower,Sky,Crimson,Sap,Rhubarb,Orange,Pine,Rose  
Gold Pigment,Fog,Slate,Neon orange,Neon pink,Neon  
yellow,Neon green,Neon purple,Neon blue,Olive  
Green,Iron,Blending Solution,Gold,Silver,White

Physical State : Liquid  
Data Received : June 13, 2020  
Last Information Date : June 29, 2020  
Data Reviewed : June 29, 2020

**Service Requested:**

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of OSHA HazCom Standard (2012), for details please refer to attached pages.

**Authorized By:**

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai

Anna Wang  
Regulatory Consultant

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## Safety Data Sheet

## Alcohol Ink Refill

BE CREATIVE ARTS AND CRAFTS CO.,LTD

SDS number:SH1109472012

Version No:1.0

Issue Date:29/06/2020  
GHS.USA.EN

According to OSHA HazCom Standard (2012) requirements

## SECTION 1 IDENTIFICATION

## Product Identifier

Product name	Alcohol Ink Refill
Proper shipping name	FLAMMABLE LIQUID, N.O.S. (contains ethanol)
Other means of identification	Not Available

## Recommended use of the chemical and restrictions on use

Relevant identified uses	Art, Coloring and Crafting
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## Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Applicant name	BE CREATIVE ARTS AND CRAFTS CO.,LTD
Address	2ND FLOOR,BUL 10,FUTIAN 4TH SECTION,NORTH OF GONGREN ROAD,YIWU,ZHEJIANG,CHINA.
Telephone	
Email	
Manufacturer name	BE CREATIVE ARTS AND CRAFTS CO.,LTD.
Address	2ND FLOOR,BUL 10,FUTIAN 4TH SECTION,NORTH OF GONGREN ROAD,YIWU,ZHEJIANG,CHINA.
Telephone	+86-579-81572769
Fax	+86-579-89159482
Emergency telephone	+86-18868487309
Email	cs1@becreativeartscrafts.com
Importer name	
Address	
Telephone	
Email	

## Emergency phone number

Association / Organisation	
Emergency telephone numbers	


## SECTION 2 HAZARD(S) IDENTIFICATION

## Classification of the substance or mixture

Considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Classified as Dangerous Goods for transport purposes.

Classification	Flammable Liquid Category 2, Skin Sensitizer Category 1, Specific target organ toxicity - single exposure Category 3 (narcotic effects), Acute Aquatic Hazard Category 3, Chronic Aquatic Hazard Category 3
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## Label elements

Hazard pictogram(s)	 
SIGNAL WORD	DANGER

## Hazard statement(s)

H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

## Hazard(s) not otherwise classified

Not Applicable

## Alcohol Ink Refill

## Supplementary statement(s)

Not Applicable

## Precautionary statement(s) General

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

## Precautionary statement(s) Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P271	Use in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist/vapours/spray.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary statement(s) Response

P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use alcohol resistant foam or normal protein foam for extinction.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

## Precautionary statement(s) Storage

P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary statement(s) Disposal

P501	Dispose of contents/container in accordance with local regulations.
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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Substances

See section below for composition of Mixtures

## Mixtures

CAS No	%[weight]	Name
64-17-5	63.87-70	<u>ethanol</u>
107-98-2	20	<u>Propylene glycol monomethyl ether</u>
8050-09-7	10	<u>rosin-colophony</u>
12227-67-7	0-3.37	<u>C.I. Solvent Yellow 82</u>
82347-07-7	0-2.76	<u>C.I. Solvent Red 218</u>
61901-95-9	0-2.14	<u>C.I. Solvent Yellow 62</u>
37229-23-5	0-2.1	<u>C.I. Solvent Blue 45</u>
6320-14-5	0-1	<u>C.I. Basic Red 12</u>
12237-31-9	0-0.97	<u>C.I. Solvent Yellow 79</u>
94765-62-5	0-0.87	<u>C.I. Solvent Black 45</u>
61901-92-6	0-0.7	<u>C.I. Solvent Red 91</u>
1325-86-6	0-0.52	<u>C.I. Solvent Blue 5</u>
12220-53-0	0-0.44	<u>C.I. Acid Violet 66</u>
12237-24-0	0-0.43	<u>C.I. Solvent Blue 70</u>
6358-36-7	0-0.42	<u>C.I. Basic Yellow 37</u>
52256-37-8	0-0.24	<u>C.I. Acid Orange 92</u>

## Alcohol Ink Refill

61901-87-9

0-0.2

C.I. Solvent Black 29

**SECTION 4 FIRST-AID MEASURES****Description of first aid measures**

<b>Eye Contact</b>	If this product comes in contact with eyes: <ul style="list-style-type: none"> <li>▶ Wash out immediately with water.</li> <li>▶ If irritation continues, seek medical attention.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
<b>Skin Contact</b>	If skin contact occurs: <ul style="list-style-type: none"> <li>▶ Immediately remove all contaminated clothing, including footwear.</li> <li>▶ Flush skin and hair with running water (and soap if available).</li> <li>▶ Seek medical attention in event of irritation.</li> </ul>
<b>Inhalation</b>	<ul style="list-style-type: none"> <li>▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>▶ Other measures are usually unnecessary.</li> </ul>
<b>Ingestion</b>	<ul style="list-style-type: none"> <li>▶ Immediately give a glass of water.</li> <li>▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>

**Most important symptoms and effects, both acute and delayed**

See Section 11

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 FIRE-FIGHTING MEASURES****Extinguishing media**

- ▶ Alcohol stable foam.
- ▶ Dry chemical powder.

**Special hazards arising from the substrate or mixture**

<b>Fire Incompatibility</b>	▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
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**Special protective equipment and precautions for fire-fighters**

<b>Fire Fighting</b>	<ul style="list-style-type: none"> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> <li>▶ May be violently or explosively reactive.</li> </ul>
<b>Fire/Explosion Hazard</b>	<ul style="list-style-type: none"> <li>▶ Liquid and vapour are highly flammable.</li> <li>▶ Severe fire hazard when exposed to heat, flame and/or oxidisers.</li> </ul> Combustion products include: carbon monoxide (CO) carbon dioxide (CO2) other pyrolysis products typical of burning organic material.

**SECTION 6 ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

See section 8

**Environmental precautions**

See section 12

**Methods and material for containment and cleaning up**

<b>Minor Spills</b>	Environmental hazard - contain spillage. <ul style="list-style-type: none"> <li>▶ Remove all ignition sources.</li> <li>▶ Clean up all spills immediately.</li> </ul>
<b>Major Spills</b>	<ul style="list-style-type: none"> <li>▶ Clear area of personnel and move upwind.</li> <li>▶ Alert Fire Brigade and tell them location and nature of hazard.</li> </ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

**SECTION 7 HANDLING AND STORAGE****Precautions for safe handling**

<b>Safe handling</b>	<ul style="list-style-type: none"> <li>▶ Limit all unnecessary personal contact.</li> <li>▶ Wear protective clothing when risk of exposure occurs.</li> </ul>
<b>Other information</b>	<ul style="list-style-type: none"> <li>▶ Store in original containers in approved flame-proof area.</li> <li>▶ No smoking, naked lights, heat or ignition sources.</li> </ul>

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

<b>Suitable container</b>	Plastic case, Cardboard box
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Item Numbers: 02214-1023; 02214-2040; 02214-2180; 02214-2620; 02214-3040; 02214-3060; 02214-3160; 02214-3170; 02214-3330; 02214-3350; 02214-3710; 02214-4200; 02214-4230; 02214-4510; 02214-5070; 02214-5110; 02214-5220; 02214-5230; 02214-5250; 02214-6000; 02214-6040; 02214-7070; 02214-7100; 02214-7160; 02214-7360; 02214-8000; 02214-1009; 02214-1019; 02214-1029; 02214-1039; 02214-1049; 02214-1059

## Alcohol Ink Refill

## Storage incompatibility

- ▶ Avoid oxidising agents, acids, acid chlorides, acid anhydrides, chloroformates.
- ▶ Avoid strong bases.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

## Control parameters

## OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US NIOSH Recommended Exposure Limits (RELS)	ethanol	Alcohol, Cologne spirit, Ethanol, EtOH, Grain alcohol	1000 ppm / 1900 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	ethanol	Ethanol	Not Available	1000 ppm	Not Available	TLV® Basis: URT irr
US OSHA Permissible Exposure Levels (PELs) - Table Z1	ethanol	Ethyl alcohol (Ethanol)	1000 ppm / 1900 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELS)	Propylene glycol monomethyl ether	Dowtherm® 209, 1-Methoxy-2-hydroxypropane, 1-Methoxy-2-propanol, 2-Methoxy-1-methylethanol, Propylene glycol methyl ether	100 ppm / 360 mg/m <sup>3</sup>	540 mg/m <sup>3</sup> / 150 ppm	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	Propylene glycol monomethyl ether	1-Methoxy-2-propanol	50 ppm	100 ppm	Not Available	TLV® Basis: Eye & URT irr
US ACGIH Threshold Limit Values (TLV)	rosin-colophony	Rosin core solder thermal decomposition products (colophony)	Not Available	Not Available	Not Available	TLV® Basis: Skin sens; dermatitis; asthma


## EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
ethanol	Ethyl alcohol; (Ethanol)	Not Available	Not Available	15000 ppm
Propylene glycol monomethyl ether	Propylene glycol monomethyl ether; (Ucar Triol HG-170)	100 ppm	160 ppm	660 ppm
rosin-colophony	Rosin core solder decomposition products; (Colophony Gum)	72 mg/m <sup>3</sup>	790 mg/m <sup>3</sup>	1,500 mg/m <sup>3</sup>

Ingredient	Original IDLH	Revised IDLH
ethanol	3,300 ppm	Not Available

## Exposure controls

<b>Appropriate engineering controls</b>	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
<b>Personal protection</b>	
<b>Eye and face protection</b>	<ul style="list-style-type: none"> <li>▶ Safety glasses with side shields.</li> <li>▶ Chemical goggles.</li> </ul>
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	<ul style="list-style-type: none"> <li>▶ Wear chemical protective gloves, e.g. PVC.</li> <li>▶ Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul> <p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>▶ The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> </ul>
<b>Body protection</b>	See Other protection below
<b>Other protection</b>	<ul style="list-style-type: none"> <li>▶ Overalls.</li> <li>▶ PVC Apron.</li> </ul>

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

<b>Appearance</b>	Liquid		
<b>Physical state</b>	Liquid	<b>Relative density (Water = 1)</b>	Not Available
<b>Odour</b>	Not Available	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Available
<b>pH (as supplied)</b>	Not Available	<b>Decomposition temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available

## Alcohol Ink Refill

<b>Initial boiling point and boiling range (°C)</b>	Not Available	<b>Molecular weight (g/mol)</b>	Not Available
<b>Flash point (°C)</b>	Not Available	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Flammable	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Available	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Available	<b>Volatile Component (%vol)</b>	Not Available
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water</b>	Not Available	<b>pH as a solution (1%)</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available

## SECTION 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	<ul style="list-style-type: none"> <li>▶ Unstable in the presence of incompatible materials.</li> <li>▶ Product is considered stable.</li> </ul>
<b>Possibility of hazardous reactions</b>	See section 7
<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

<b>Acute Toxicity</b>	ethanol
	Inhalation (rat) LC50: 124.7 mg/l/4H <sup>[2]</sup>
	Propylene glycol monomethyl ether
	dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>
	Inhalation (rat) LC50: 12485.7375 mg/l/5h.d <sup>[2]</sup>
	Oral (rat) LD50: 3739 mg/kg <sup>[2]</sup>
	rosin-colophony
	dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>
	C.I. Solvent Yellow 82
	Oral (rat) LD50: >10000 mg/kg <sup>[2]</sup>
C.I. Solvent Yellow 62	
Oral (rat) LD50: >5000 mg/kg <sup>[2]</sup>	
C.I. Solvent Blue 45	
Oral (rat) LD50: >10000 mg/kg <sup>[2]</sup>	
C.I. Basic Red 12	
Oral (rat) LD50: 25 mg/kg <sup>[1]</sup>	
<b>Skin Irritation/Corrosion</b>	No skin irritation
<b>Serious Eye Damage/Irritation</b>	No serious eye irritation
<b>Respiratory or Skin sensitisation</b>	May cause an allergic skin reaction.
<b>Mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductivity</b>	No data available
<b>STOT - Single Exposure</b>	No data available
<b>STOT - Repeated Exposure</b>	May cause drowsiness or dizziness.
<b>Aspiration Hazard</b>	No data available

## Alcohol Ink Refill

**Legend:** 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. \* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

## SECTION 12 ECOLOGICAL INFORMATION

## Toxicity

**Alcohol Ink Refill** No data available for the mixture.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethanol	LOW (Half-life = 2.17 days)	LOW (Half-life = 5.08 days)
Propylene glycol monomethyl ether	LOW (Half-life = 56 days)	LOW (Half-life = 1.7 days)
rosin-colophony	HIGH	HIGH
C.I. Basic Red 12	HIGH	HIGH
C.I. Basic Yellow 37	HIGH	HIGH

## Bioaccumulative potential

Ingredient	Bioaccumulation
ethanol	LOW (LogKOW = -0.31)
Propylene glycol monomethyl ether	LOW (BCF = 2)
rosin-colophony	HIGH (LogKOW = 6.4607)
C.I. Basic Red 12	HIGH (LogKOW = 4.6657)
C.I. Basic Yellow 37	HIGH (LogKOW = 4.9479)

## Mobility in soil

Ingredient	Mobility
ethanol	HIGH (KOC = 1)
Propylene glycol monomethyl ether	HIGH (KOC = 1)
rosin-colophony	LOW (KOC = 21990)
C.I. Basic Red 12	LOW (KOC = 2410000)
C.I. Basic Yellow 37	LOW (KOC = 345000)

## SECTION 13 DISPOSAL CONSIDERATIONS

## Waste treatment methods

## Product / Packaging disposal

- ▶ Containers may still present a chemical hazard/ danger when empty.
- ▶ Return to supplier for reuse/ recycling if possible.
- ▶ **DO NOT allow wash water from cleaning or process equipment to enter drains.**
- ▶ It may be necessary to collect all wash water for treatment before disposal.
- ▶ Recycle wherever possible.
- ▶ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

## SECTION 14 TRANSPORT INFORMATION

**Marine Pollutant** NO

## Land transport (DOT)

<b>UN number</b>	1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (contains ethanol)
<b>Transport hazard class(es)</b>	Class : 3 Subrisk : Not Applicable
<b>Packing group</b>	II
<b>Environmental hazard</b>	Not Applicable
<b>Special precautions for user</b>	Hazard Label : 3 Special provisions : IB2, T7, TP1, TP8, TP28

## Alcohol Ink Refill

## Air transport (ICAO-IATA / DGR)

<b>UN number</b>	1993	
<b>UN proper shipping name</b>	Flammable liquid, n.o.s. * (contains ethanol)	
<b>Transport hazard class(es)</b>	ICAO/IATA Class	3
	ICAO / IATA Subrisk	Not Applicable
	ERG Code	3H
<b>Packing group</b>	II	
<b>Environmental hazard</b>	Not Applicable	
<b>Special precautions for user</b>	Special provisions	A3
	Cargo Only Packing Instructions	364
	Cargo Only Maximum Qty / Pack	60 L
	Passenger and Cargo Packing Instructions	353
	Passenger and Cargo Maximum Qty / Pack	5 L
	Passenger and Cargo Limited Quantity Packing Instructions	Y341
	Passenger and Cargo Limited Maximum Qty / Pack	1 L

## Sea transport (IMDG-Code / GGVSee)

<b>UN number</b>	1993	
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (contains ethanol)	
<b>Transport hazard class(es)</b>	IMDG Class	3
	IMDG Subrisk	Not Applicable
<b>Packing group</b>	II	
<b>Environmental hazard</b>	Not Applicable	
<b>Special precautions for user</b>	EMS Number	F-E , S-E
	Special provisions	274
	Limited Quantities	1 L

## Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## SECTION 15 REGULATORY INFORMATION

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

## ETHANOL(64-17-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

US - Alaska Limits for Air Contaminants	US - Rhode Island Hazardous Substance List
US - California Permissible Exposure Limits for Chemical Contaminants	US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants
US - Hawaii Air Contaminant Limits	US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants
US - Idaho - Limits for Air Contaminants	US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants
US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits	US - Washington Permissible exposure limits of air contaminants
US - Massachusetts - Right To Know Listed Chemicals	US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants
US - Michigan Exposure Limits for Air Contaminants	US ACGIH Threshold Limit Values (TLV)
US - Minnesota Permissible Exposure Limits (PELs)	US ACGIH Threshold Limit Values (TLV) - Carcinogens
US - New Jersey Right to Know - Special Health Hazard Substance List (SHHSL): Carcinogens	US Department of Transportation (DOT), Hazardous Material Table
US - New Jersey Right to Know - Special Health Hazard Substance List (SHHSL): Mutagens	US DOE Temporary Emergency Exposure Limits (TEELs)
US - Oregon Permissible Exposure Limits (Z-1)	US DOT Coast Guard Bulk Hazardous Materials - List of Flammable and Combustible Bulk Liquid Cargoes
US - Pennsylvania - Hazardous Substance List	US NIOSH Recommended Exposure Limits (RELs)
	US OSHA Permissible Exposure Levels (PELs) - Table Z1
	US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants
	US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory
	US TSCA Chemical Substance Inventory - Interim List of Active Substances

## PROPYLENE GLYCOL MONOMETHYL ETHER(107-98-2) IS FOUND ON THE FOLLOWING REGULATORY LISTS



## Alcohol Ink Refill

US - Alaska Limits for Air Contaminants  
 US - California OEHHA/ARB - Acute Reference Exposure Levels and Target Organs (RELS)  
 US - California OEHHA/ARB - Chronic Reference Exposure Levels and Target Organs (CRELs)  
 US - California Permissible Exposure Limits for Chemical Contaminants  
 US - Hawaii Air Contaminant Limits  
 US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits  
 US - Massachusetts - Right To Know Listed Chemicals  
 US - Michigan Exposure Limits for Air Contaminants  
 US - Minnesota Permissible Exposure Limits (PELs)  
 US - Oregon Permissible Exposure Limits (Z-1)  
 US - Pennsylvania - Hazardous Substance List  
 US - Rhode Island Hazardous Substance List  
 US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory  
 US TSCA Chemical Substance Inventory - Interim List of Active Substances

US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants  
 US - Vermont Permissible Exposure Limits Table Z-1-A Final Rule Limits for Air Contaminants  
 US - Vermont Permissible Exposure Limits Table Z-1-A Transitional Limits for Air Contaminants  
 US - Washington Permissible exposure limits of air contaminants  
 US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values  
 US ACGIH Threshold Limit Values (TLV)  
 US ACGIH Threshold Limit Values (TLV) - Carcinogens  
 US Chemical Footprint Project - Chemicals of High Concern List  
 US Clean Air Act - Hazardous Air Pollutants  
 US Department of Transportation (DOT), Hazardous Material Table  
 US DOE Temporary Emergency Exposure Limits (TEELs)  
 US DOT Coast Guard Bulk Hazardous Materials - List of Flammable and Combustible Bulk Liquid Cargoes  
 US EPCRA Section 313 Chemical List  
 US NIOSH Recommended Exposure Limits (RELS)

**ROSIN-COLOPHONY(8050-09-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US - Pennsylvania - Hazardous Substance List  
 US - Washington Permissible exposure limits of air contaminants  
 US TSCA Chemical Substance Inventory - Interim List of Active Substances

US ACGIH Threshold Limit Values (TLV)  
 US DOE Temporary Emergency Exposure Limits (TEELs)  
 US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

**C.I. SOLVENT YELLOW 82(12227-67-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Not Applicable

**C.I. SOLVENT RED 218(82347-07-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Not Applicable

**C.I. SOLVENT YELLOW 62(61901-95-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US - Idaho Toxic Air Pollutants Non- Carcinogenic Increments - Occupational Exposure Limits  
 US - Washington Permissible exposure limits of air contaminants

**C.I. SOLVENT BLUE 45(37229-23-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

**C.I. BASIC RED 12(6320-14-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

**C.I. SOLVENT YELLOW 79(12237-31-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

**C.I. SOLVENT BLACK 45(94765-62-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Not Applicable

**C.I. SOLVENT RED 91(61901-92-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Not Applicable

**C.I. SOLVENT BLUE 5(1325-86-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

**C.I. ACID VIOLET 66(12220-53-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Not Applicable

**C.I. SOLVENT BLUE 70(12237-24-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Not Applicable

**C.I. BASIC YELLOW 37(6358-36-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

**C.I. ACID ORANGE 92(52256-37-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

US List of Active Substances Exempt from the TSCA Inventory Notifications (Active-Inactive) Rule

US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory

**C.I. SOLVENT BLACK 29(61901-87-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Not Applicable

**Federal Regulations****Superfund Amendments and Reauthorization Act of 1986 (SARA)**

## Alcohol Ink Refill

**SECTION 311/312 HAZARD CATEGORIES**

Flammable (Gases, Aerosols, Liquids, or Solids)	Yes
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	Yes
Serious eye damage or eye irritation	No
Specific target organ toxicity (single or repeated exposure)	Yes
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No
Hazards Not Otherwise Classified	No

**US. EPA CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES (40 CFR 302.4)**

None Reported

**State Regulations****US. CALIFORNIA PROPOSITION 65**

None Reported

**SECTION 16 OTHER INFORMATION****Other information**

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

**Definitions and abbreviations**

PC—TWA: Permissible Concentration-Time Weighted Average  
 PC—STEL: Permissible Concentration-Short Term Exposure Limit  
 IARC: International Agency for Research on Cancer  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 STEL: Short Term Exposure Limit  
 TEEL: Temporary Emergency Exposure Limit.  
 IDLH: Immediately Dangerous to Life or Health Concentrations  
 OSF: Odour Safety Factor  
 NOAEL :No Observed Adverse Effect Level  
 LOAEL: Lowest Observed Adverse Effect Level  
 TLV: Threshold Limit Value  
 LOD: Limit Of Detection  
 OTV: Odour Threshold Value  
 BCF: BioConcentration Factors  
 BEI: Biological Exposure Index