

Issuing Date February 23, 2011

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name **Teddy Bear Red**  
 Product Code(s) TSR2008  
 Recommended Use Ink.  
 Manufacturer: Collins Ink Corporation  
 1201 Edison Drive  
 Cincinnati, Ohio 45216  
 PH: 513-948-9000  
 Info@collinsink.com  
 Emergency Telephone Number Chemtrec 1-800-424-9300

**2. HAZARDS IDENTIFICATION**

**WARNING!**  
 Appearance Red Physical State Liquid Odor Solvent

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects  
 Principle Routes of Exposure Inhalation, Skin contact, Eye contact, Ingestion.

Acute Toxicity  
 Eyes Contact with eyes may cause irritation. Vapor may cause irritation.  
 Skin Prolonged skin contact may defat the skin and produce dermatitis. May cause eye/skin irritation. May be absorbed through the skin in harmful amounts.  
 Inhalation May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Irritating to respiratory system. Avoid breathing vapors or mists. May cause irritation of respiratory tract. May be harmful if inhaled.  
 Ingestion Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression. May cause adverse liver effects.

Chronic Effects  
 Contains a known or suspected reproductive toxin

Aggravated Medical Conditions Central nervous system. Preexisting eye disorders. Blood disorders. Kidney disorders. Liver disorders. Overexposure may cause female and male reproductive disorder(s). Skin disorders. Respiratory disorders. Use of alcoholic beverages may enhance toxic effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %
Ethyl alcohol	64-17-5	60 - 99
Isopropyl alcohol	67-63-0	1 - 10

Additional Notes Remaining components are either not hazardous or below threshold limits.

**4. FIRST AID MEASURES**

<b>General Advice</b>	Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth with water and afterwards drink plenty of water or milk. Call a physician or Poison Control Center immediately.
<b>Protection of First-aiders</b>	Remove all sources of ignition.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.			
<b>Flash Point Method</b>	< 20.9 °C	Seta closed cup		
<b>Suitable Extinguishing Media</b>	Use: Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray.			
<b>Uniform Fire Code</b>	<ul style="list-style-type: none"> <li>• Other Health Hazard: Target Organ Toxin--Liquid</li> <li>• Other Health Hazard: Carcinogen--Liquid (Note 5)</li> <li>• Highly Toxic: Liquid</li> </ul>			
<b>Hazardous Combustion Products</b>	Carbon oxides			
<b>Explosion Data</b>				
<b>NFPA</b>	Health Hazard 1	Flammability 3	Stability 0	Physical and Chemical Hazards -

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. All equipment used when handling the product must be grounded.
<b>Methods for Cleaning Up</b>	Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.
<b>Storage</b>	Keep tightly closed in a dry and cool place. Keep in properly labeled containers.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	1000 ppm STEL	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Isopropyl alcohol 67-63-0	400 ppm STEL TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

NIOSH IDLH: Immediately Dangerous to Life or Health

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations.

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields. If splashes are likely to occur, wear:. Goggles.  
**Skin and Body Protection** Impervious gloves.  
**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Red	<b>Odor</b>	Solvent
<b>Physical State</b>	Liquid	<b>pH</b>	5 - 7
<b>Flash Point</b>	< 20.9 °C	<b>Method</b>	Seta closed cup
<b>Autoignition Temperature</b>	>200 °C	<b>Boiling Point/Range</b>	>70 °C
<b>Explosion Limits</b>	No information available	<b>Flammability Limits in Air</b>	No information available
<b>Specific Gravity</b>	0.80 - 0.90	<b>Solubility</b>	Miscible
<b>Evaporation Rate</b>	No information available	<b>Vapor Pressure</b>	No information available
<b>Vapor Density</b>	No information available.	<b>Viscosity</b>	< 15 cps

**10. STABILITY AND REACTIVITY**

**Stability** Stable under normal conditions.

**Incompatible Products** Strong oxidizing agents. Acids. Chlorinated compounds.

**Conditions to Avoid** Heating in air. Heat, flames and sparks.

**Hazardous Decomposition Products** Carbon oxides.

**Hazardous Reactions** None under normal processing.

**Hazardous Polymerization** None under normal processing.

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

**Product Information** No acute toxicity information is available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethyl alcohol	7060 mg/kg ( Rat )		
Isopropyl alcohol	4396 mg/kg ( Rat )	12800 mg/kg ( Rat ) 12870 mg/kg ( Rabbit )	72.6 mg/L ( Rat ) 4 h

**Chronic Toxicity**

**Chronic Toxicity** Contains a known or suspected reproductive toxin.

**Carcinogenicity** This product contains Ethanol which is classified as a possible carcinogen when ingested in the form of an alcoholic beverage. This is irrelevant as this product is used for ink jet ink applications not an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol		Group 1		X

**Target Organ Effects** Blood, Central nervous system (CNS), Eyes, Kidney, Liver, Lungs, Reproductive system, Respiratory system, Skin.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**  
Not established.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Ethyl alcohol		LC50 12.0-16.0 ml/L Oncorhynchus mykiss 96 h LC50 13400-15100 mg/L Pimephales promelas 96 h LC50 > 100 mg/L Pimephales promelas 96 h	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221 mg/L LC50 = 10800 mg/L EC50 = 2 mg/L EC50
Isopropyl alcohol	EC50 > 1000 mg/L 72 h EC50 > 1000 mg/L 96 h	LC50 = 11130 mg/L Pimephales promelas 96 h LC50 = 9640 mg/L Pimephales promelas 96 h LC50 > 1400000 µg/L Lepomis macrochirus 96 h	EC50 = 35390 mg/L 5 min	= 13299 mg/L EC50

Chemical Name	Log Pow
Ethyl alcohol	= -0.32
Isopropyl alcohol	= 0.05 25 °C

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Ethyl alcohol	Toxic, Ignitable
Isopropyl alcohol	Toxic, Ignitable

## 14. TRANSPORT INFORMATION

### IATA

UN-No	UN1210
Proper Shipping Name	Printing Ink
Hazard Class	3
Packing Group	II

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS	NZIOC
Ethyl alcohol - 64-17-5	Present	X	X	(2)-202	X	KE-13217	X	X	X
Isopropyl alcohol - 67-63-0	Present	X	X	(2)-207	X	KE-29363	X	X	X

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Isopropyl alcohol	67-63-0	1 - 10	1.0

#### SARA 311/312 Hazard Categories

Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Isopropyl alcohol 67-63-0 ( 1 - 10 )				X

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.

#### CERCLA

### U.S. State Regulations

#### International Regulations

Mexico - Grade

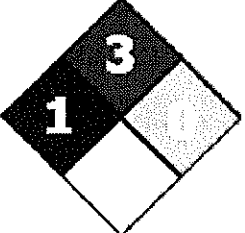
Serious risk, Grade 3

Canada

#### Legend

NPRI - National Pollutant Release Inventory

## 16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>3</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1	Fire Hazard	3	Reactivity	0		
Health Hazard	1								
Fire Hazard	3								
Reactivity	0								

Issuing Date

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## Revision Note

No information available

## Disclaimer

This product is intended to be used as a printing fluid. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS