

Issuing Date 02-Jun-2015

Revision date 18-Jun-2015

Revision Number 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product identifier**

**Product name** 5780372, (5780201-R, 5780201FX-R, 5780237-R, and 5780237FX-R)

**Other means of identification**

**Product Code(s)** 5780372, (5780201-R, 5780201FX-R, 5780237-R, and 5780237FX-R)  
**Synonyms** No information available

**Recommended use of the chemical and restrictions on use**

**Recommended Use** ink.  
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

ITW Marking & Coding  
 1 Missouri Research Park Drive  
 St. Charles, MO 63304-5685 USA  
 800-526-2531 / 636-300-2000

**Manufacturer:**

Collins Inkjet Corporation  
 1201 Edison Drive  
 Cincinnati, Ohio 45216  
 PH: 513-948-9000  
 Info@collinsinkjet.com

**Emergency telephone number** InfoTrac - US 800-535-5053 / Int'l 001-352-323-3500

## 2. Hazards Identification

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category 1
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**Label Elements**

### EMERGENCY OVERVIEW

**WARNING**

**Hazard statements**

May cause an allergic skin reaction



**Appearance** red

**Physical state** liquid

**Odor** slight amine

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label)  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****OTHER INFORMATION**

Unknown acute toxicity 10.108% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Ethyl alcohol	64-17-5	0.1 - <1	*
1,2-Benzisothiazolin-3-one	2634-33-5	0.1 - <1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**NOTE**

Remaining components are either not hazardous or below threshold limits.

### 4. First aid measures

**FIRST AID MEASURES**

<b>General advice</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Immediate medical attention is not required.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>IF ON SKIN</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

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

**Most Important Symptoms and Effects** Hives.

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

**Notes to Physician** May cause sensitization of susceptible persons. Use of epinephrine may be indicated.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Use Carbon dioxide (CO2) Dry chemical Alcohol resistant foam

**Unsuitable extinguishing media** None.

**Specific hazards arising from the chemical**

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

**Explosion data**

**Sensitivity to Mechanical Impact** No information available.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus and protective suit.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. Avoid contact with skin and eyes.

**OTHER INFORMATION** OTHER INFORMATION.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** After cleaning, flush away traces with water. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Prevent product from entering drains.

## 7. Handling and Storage

**Precautions for safe handling**

**Handling** Use personal protective equipment as required. Ensure adequate ventilation.

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

**Storage** Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place.

**Incompatible Products** Strong oxidizing agents.

## 8. Exposure Controls/Personal Protection

**Control parameters**

**Exposure guidelines**

NIOSH IDLH: *Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

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

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

<b>Eye/Face Protection</b>	Tight sealing safety goggles.
<b>Skin and body protection</b>	Wear protective gloves and protective clothing. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.
<b>Respiratory protection</b>	None under normal use conditions.
<b>Hygiene Measures</b>	Wash contaminated clothing before reuse. When using do not eat or drink.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	slight amine
<b>Appearance</b>	red	<b>Odor Threshold</b>	No information available
<b>color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks/ • Method</b>	
<b>pH</b>	9 - 11		
<b>Melting point / freezing point</b>			
<b>Boiling point/range (°C) VALUE</b>	No information available		
<b>Flash Point</b>	> 100 °C	Seta closed cup	
<b>Evaporation Rate</b>	No information available		
<b>flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper Flammability Limit</b>	No information available		
<b>Lower Flammability Limit</b>	No information available		
<b>Vapor Pressure</b>	No information available		
<b>Vapor Density</b>	No information available		
<b>Specific gravity</b>	0.9 - 1.1	None known	
<b>Water solubility</b>	Soluble in water		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient: n-octanol/water</b>	No information available		
<b>Autoignition temperature</b>	>200 °C		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	No information available		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		

### OTHER INFORMATION

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. Stability and Reactivity

### Reactivity

No data available

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

None under normal processing.

**Hazardous polymerization** Hazardous polymerization does not occur.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon oxides.

## 11. Toxicological Information

### Information on likely routes of exposure

<b>Product Information</b>	The product has not been tested
<b>Inhalation</b>	May cause irritation. Avoid breathing vapors or mists.
<b>Eye contact</b>	May cause irritation. Avoid contact with eyes.
<b>IF ON SKIN</b>	May cause irritation. Avoid contact with skin.
<b>Ingestion</b>	May be harmful if swallowed. Do NOT taste or swallow.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
1,2-Benzisothiazolin-3-one 2634-33-5	= 1020 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**irritation** May cause irritation of respiratory tract. May cause skin and eye irritation.  
**Sensitization** May cause an allergic skin reaction.  
**Mutagenic effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	-	Group 1	Known	X

*IARC: (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*NTP: (National Toxicity Program)*

*Known - Known Carcinogen*

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.  
**Target organ effects** Respiratory System, EYES, skin, Gastrointestinal tract (GI).  
**Aspiration hazard** No information available.

### Numerical measures of toxicity - Product Information

**Unknown acute toxicity** 10.108% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 61290 mg/kg

**ATEmix (dermal)** 91863 mg/kg

## 12. Ecological Information

### ecotoxicity

16.07572045% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Ethyl alcohol	-	12.0 - 16.0: 96 h Oncorhynchus	9268 - 14221: 48 h Daphnia

64-17-5		mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
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**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

Chemical name	Log Pow
Ethyl alcohol 64-17-5	-0.32
1,2-Benzisothiazolin-3-one 2634-33-5	1.3

**Other adverse effects**

No information available

### 13. Disposal Considerations

**Waste treatment methods****Waste treatment methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not re-use empty containers.

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 64-17-5	Toxic; Ignitable

### 14. Transport Information

**DOT** Not regulated**TDG** Not regulated**MEX** Not regulated**ICAO** Not regulated**IATA** Not regulated**IMDG/IMO** Not regulated**RID** Not regulated**ADR** Not regulated**ADN** Not regulated

### 15. Regulatory Information

**International Inventories**

Chemical name	TSCA	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS

Ethyl alcohol 64-17-5	X	X	X	X	X	X	X	X
1,2-Benzisothiazolin- 3-one 2634-33-5	X	X	X	X	X	X	X	X

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECS - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	Category 1
Chronic Health Hazard	Category 1
Fire hazard	No
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)

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical name	California Prop. 65
Ethyl alcohol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Ethyl alcohol 64-17-5	X	X	X

**U.S. EPA Label Information**

EPA Pesticide registration number Not applicable

**16. Other Information**

<b>NFPA</b>	Health hazard 1	flammability 1	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health hazard 1	flammability 1	Physical hazards 0	Personal precautions X

Prepared by Collins Inkjet Corporation  
 1201 Edison Drive  
 Cincinnati, Ohio 45216  
 Issuing Date 02-Jun-2015

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Revision note

No information available

Disclaimer

The information provided on this SDS 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 Safety Data Sheet**