



Version 1.0  
Date February 11, 2021  
Supersedes

CHEMTREC: (800) 424 9300  
For Chemical Emergency Only

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 PRODUCT IDENTIFICATION

**Product Name** 547 Reconditioner

### 1.2 RELEVANT IDENTIFIED USES OF THE PRODUCT

Product Use Clear solution for use in industrial ink jet printers

### 1.3 SUPPLIER

Independent Ink Incorporated  
13700 S. Gramercy Place  
Gardena, California 90249  
Tel: (310) 523 4657  
Fax: (310) 329 5366

### 1.2 EMERGENCY TELEPHONE NUMBER(S)

Medical	Poison Control Center	USA	(800) 222 1222
Transportation	CHEMTREC	USA	(800) 424 9300

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## SECTION 2: Hazards Identification

### 2.1 GHS CLASSIFICATION OF THE PRODUCT

Flammable liquid	Category 3
Acute Toxicity (Dermal)	Category 4
Eye Irritant 2A	Category 2A

### 2.2 LABEL ELEMENTS



**Single Word:** Warning

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/lighting/ equipment.

# Safety Data Sheet

Product ID: 547 Reconditioner

P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**

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

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product Name	CAS NO.	%	GHS Classification
Ethanol, 2 Propoxy -	2807-30-9	90 - 100	H226 Flammable liquids (Category 3), H226 Acute toxicity, Dermal (Category 4), H312 Eye irritation (Category 2A), H319
Ethylene Glycol	107-21-1	0.1 - 1	Acute toxicity, Oral (Category 4), H302 Specific target organ toxicity - repeated exposure, Oral (Category 2), Kidney, H373

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### SECTION 4: FIRST AID MEASURES

#### 4.1 DESCRIPTION OF FIRST AID MEASURES

EYE CONTACT: Flush immediately with water for 15 minutes. Get medical attention.  
SKIN CONTACT: Wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists. Do not re-use clothing until cleaned.  
INHALATION: Remove to fresh air. Restore breathing. Get medical attention.  
INGESTION: Do not give liquids if victim is unconscious or drowsy. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Call a Poison Control Center or physician.

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### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1 PHYSICAL CHARACTERISTICS

FLASH POINT: 49°C (120°F) METHOD USED: Closed cup

Explosion Limit: LOWER: 1.3 %(V) UPPER: 15.8 %(V)

## 5.2 EXTINGUISHING MEDIA

EXTINGUISHING MEDIA: Alcohol resistance foam, CO2, dry chemical.

### SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS:

Clear fire area of unprotected personnel. Do not enter confined fire space without using self-contained breathing apparatus and protective clothing. Keep run-off water out of sewers and water sources. If risk of water pollution occurs, notify appropriate authorities.

### UNUSUAL FIRE & EXPLOSION HAZARDS:

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup that could result in container rupture. Vapors are heavier than air and may spread near ground to sources of ignition. May explode when heated or when exposed to flames or sparks. May form explosive or toxic mixtures with air.

SPECIFIC HAZARDS: Not known

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Avoid eye or skin contact. Place leaking containers in well-ventilated area. Eliminate ignition sources. If fire potential exists, blanket spill with foam or use water spray to disperse vapors. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean spill, flush area sparingly with water or use an absorbent. Avoid run-off into storm sewers and ditches that lead to natural waterways. All cleanup and disposal should be carried out in accordance with federal, state and local regulations. If required, state and local authorities should be notified.

### 6.2 WASTE DISPOSAL METHOD:

Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult federal, state, or local disposal authorities for approved procedures.

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## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatible materials. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material

may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

Do not attempt to clean empty containers since residue is difficult to remove. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources of ignition: they may explode and cause injury or death.

Keep liquid away from heat, sparks and open flame. Surfaces that are sufficiently hot may ignite even liquid product in the absence of spark or flame. Extinguish pilot lights, cigarettes and turns off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from handling point flash fire can result.

Keep containers tightly closed when not in use. Use adequate ventilation. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld, or perform similar operations on or near the containers.

Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Store in a cool dry place with adequate ventilation Keep away from open flames and high temperatures.

Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before re-use.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 EXPOSURE GUIDELINES

Chemical Name	OSHA PEL TWA 8 HRS		ACGIH TLV STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethylene Glycol CAS # 107 – 21-1	50	125		100

### 8.2 PERSONAL PROTECTION



**Ventilation:** Use only with adequate ventilation to keep employee exposure below any recommended or statutory limits. Use explosion proof ventilation equipment.

**Hygiene:** Wash hands, forearms and face thoroughly after handling chemical products and before eating. Remove contaminated clothing before reusing. Place eyewash stations and safety showers close to the location of chemical storage and use.

**Eye Protection:** Use approved safety goggles or splash shields when exposed to liquid splashes, mists, gases or dust.

**Hand Protection:** Wear chemical resistant, impervious gloves when handling chemical products.

**Respiratory Protection:** Use an air purifying or air fed respirator if exposure will result in exposure in excess of allowable limits. Ensure that the respirator's safe working rating exceeds the expected exposure.

# Safety Data Sheet

Product ID: 547 Reconditioner

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 EXPOSURE GUIDELINES

PHYSICAL STATE	Liquid	pH	No data available
FLASH POINT	49°C /120°F	EXPLOSION LIMITS	Upper 15.8 %(V) Lower 1.3 %(V)
BOILING POINT	147 – 149.5°C	APPEARANCE	Clear liquid
VAPOR DENSITY	3.6	EVAPORATION RATE	0.22
VAPOR PRESSURE (mm Hg)	170 – 643 PA @ 25°C	% VOLATILE RATE	Data not available
SOLUBILITY IN WATER	soluble	Auto-ignition temperature	235 -256°C

### 9.2 OTHER EXPOSURE GUIDELINES

### 9.3 ENGINEERING MEASURES

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 STABILITY

Stable under normal temperature conditions.

### 10.2 REACTIVITY

Not reactive under normal condition

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reactions will not occur under normal conditions of storage and use.

### 10.4 CONDITIONS TO AVOID

Heat, flames and sparks.

### 10.5 INCOMPATIBLE MATERIALS

Avoid contact with strong acid, strong bases and strong oxidizing agents

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 ACUTE TOXICITY

Chemical Name	Result	Species	Dose	Exposure
CAS # 2807-30-9	LD50 Dermal	Rabbit	1337 mg/kg	The component/mixture is moderately toxic after single contact with skin
	LD50 Oral	Rat, Male	3089 mg/kg	
	LC 50 Inhalation	Mouse	1530 ppm	
CAS # 107-21-1	LD50 Dermal	Mouse (male and female)	3500	The component/mixture has no acute dermal toxicity
	LD50 Oral	Rat	2000	
	LC 50 Inhalation	Rat (male and female)	2.5 mg/l	

**11.2 CHRONIC TOXICITY**

May cause mild skin irritation and sever eye irritation

**11.3 IRRITATON/CORROSION**

Skin: Causes mild irritation. Repeated exposure may cause skin cracking or dryness. Eyes: Causes serious eye irritation  
Respiratory: No known significant effects or critical hazards.

**11.4 SENSITIZATION**

Skin: Data not available  
Respiratory: Data not available

**11.5 MUTAGENICITY**

**Test : Mammalian cell gene mutation assay**

Method : OECD Test Guide line 476  
Result : Negative  
GLP : Yes

**Test : Ames Test**

Method : OECD Test Guide line 471  
Result : Negative  
GLP : Yes

**Test : Chromosome aberration test in vitro**

Method : OECD Test Guide line 473  
Result : Negative  
GLP : Yes

**11.6 CARCINOGENICITY**

Chemical Name	ACGIH	IARC	NTP	OSHA
Glycol Ether DB	Not Identified	Not Identified	Not Identified	Not Identified

ACGIH: American Conference of Governmental Industrial Hygienists A3 Animal Carcinogen

IARC: International Agency for Research on Cancer Group 1 Carcinogenic to Humans  
Group 3 Not classifiable as to

NTP: National Toxicity Program Known Carcinogenetic in Known Carcinogen

**11.7 REPRODUCTIVE TOXICITY** Not determined

**11.8 DEVELOPMENTAL TOXICITY** Not determined

**11.9 TERATOGENIC** Not determined

**11.10 TARGET ORGAN EFFECTS** Blood, Central Nervous System, Eyes, Liver, Reproductive System, Respiratory System, Skin

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

# Safety Data Sheet

Product ID: 547 Reconditioner





Chemical CAS#	Result	Species	Exposure
2807-30-9 Ethanol, 2 -Propoxy-	IC50 > 5000 mg / l	Bacteria	16 hours
	Static test EC50 > 100 mg / l	Pseudokirchneriella subcapitata	72 hours
	Static Test LC50 5000 mg / l	Fathead minnow	96 hours
	Test LC50 > 5000 mg / l	Daphnia magna	48 hours
107-21-1 Ethylene Glycol	Static LC50 72860 mg/l	Fish – Pimephales promelas	96 hours
	Static LC50 > 100 mg / l	Daphnia magna (water flea)	48 hours

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

<b>Waste Disposal Methods</b>	Dispose of the waste according to local regulations. Waste should not be released into the environment. Waste can be incinerated or disposed of in a landfill when in accordance with local regulations. This material, as supplied, is a hazardous waste according to Federal regulations (40 CFR 261). Dispose of surplus and non-recyclable product via a licensed waste disposal contractor
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.
<b>Special Precautions</b>	None

## SECTION 14: TRANSPORT INFORMATION

	UN	IMDG	IATA	US DOT
<b>Number</b>	UN1993	UN1993	UN1993	UN1993
<b>UN Proper Shipping Name</b>	Flammable Liquid N.O.S	Flammable Liquid N.O.S	Flammable Liquid N.O.S	Flammable Liquid N.O.S
<b>Transport Hazard Class</b>				
<b>Packaging Group</b>	III	III	III	III
<b>Environmental Hazards</b>	No	No	No	No
<b>Special Precautions for User</b>	Not available	Not available	Not available	Not available

# Safety Data Sheet

Product ID: 547 Reconditioner

Additional Information	None	None	None	None
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### SPECIAL NOTE

The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119-Gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

## SECTION 15: REGULATORY INFORMATION

### INTERNATIONAL INVENTORIES

**TSCA** United States Substances Control Act Section 8(b) Inventory – Yes Positive listing- On TSCA Inventory.

**DSL/NDSL** Canadian Domestic Substances List / Non-Domestic Substances List  
All components of this product are on the Canadian DSL

### US FEDERAL REGULATIONS

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

### CLEAN WATER ACT

This product does not contain any substances regulated as pollutants to the Clean Water Act (40CFR 122)

**CERCLA** Comprehensive Environmental Response Compensation and Liability Act (CERCLA 40CFR 302) or the Superfund Amendments and Reauthorization Act (SARA 40CFR 355).

### Reportable quantity:

Component	CAS #	Component RQ (Lbs.)	Calculated Products RQ (Lbs.)
Ethylene Glycol	107-21-1	5000	*

\* Calculated RQ exceeds reasonably attainable upper limit

### SARA 304

This product does not contain any components with a section 304 EHS RQ

### SARA 311/312 HAZARD CATEGORIES

<b>Acute Health Hazard</b>	yes
<b>Chronic Hazard</b>	yes
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	No

### Clean Air Act

Following chemical(s) are listed as HAP under the US clean air act, section 12 (40 CFR61)

Component	CAS #	%
Ethanol, 2 – Propoxy-	2807-30-9	100%
Ethylene Glycol	107-21-1	0.1999%

### NATIONAL FIRE PROTECTION ASSOCIATION (USA)

**HEALTH** 2  
**FLAMMABILITY** 2



# Safety Data Sheet

Product ID: 547 Reconditioner

REACTIVITY 0

## U.S. STATE REGULATIONS

**California Proposition 65** This product does not contain any chemical known to state of California causing cancer, birth defect or any other reproductive harm.

## U.S. STATE RIGHT TO KNOW REGULATIONS

Chemical Name	MA	PA	NJ
Ethanol, 2 – Propoxy-	X	Yes	Yes
Ethylene Glycol	X	Yes	Yes

## INTERNATIONAL REGULATIONS

Harmonized Tariff Code Number: 3215.11 Printing Ink Clear  
USA 00.60  
EU 00.60

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### SECTION: 16

#### DISCLAIMER

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