



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material name** CR290Series  
**Recommended use** Inkjet printing  
**Issue date** 19-Aug-2015  
**Version #** 01  
**CAS #** Mixture  
**Company identification** HP PPS Australia Pty Ltd  
353 Burwood Hwy L1  
Forest Hill, Victoria, Australia 3131  
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HP health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-760-710-0048  
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(Toll-free within the US) 1-800-474-6836  
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Poison Information Centre 131 126 (24 hours)

## 2. HAZARDS IDENTIFICATION

### Classification of the hazardous chemical

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.

### GHS label elements

**Symbols** None.  
**Signal words** None.  
**Hazard statement** None.

### Precautionary statement

**Prevention** None.  
**Response** None.  
**Storage** None.  
**Disposal** None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Glycerin	56-81-5	20-40
Proprietary Component	Proprietary	< 30
Proprietary Component	Proprietary	< 30
Proprietary Component	Proprietary	< 30
Ethylene glycol	107-21-1	2.5 - 10

## 4. FIRST AID MEASURES

**Inhalation** Move to fresh air. If symptoms persist, get medical attention.  
**Skin contact** Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  
**Eye contact** Do not rub eyes. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
**Ingestion** Rinse mouth out with water. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Notes to physician**

Treat symptomatically. Symptoms may be delayed.

**5. FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	CO <sub>2</sub> , water, dry chemical, or foam
<b>Extinguishing media which must not be used for safety reasons</b>	None known.
<b>Unusual fire &amp; explosion hazards</b>	None known.
<b>Fire fighting equipment/instructions</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>HAZCHEM code</b>	None.
<b>Hazardous combustion products</b>	Fire may produce irritating, corrosive and/or toxic gases.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	Ensure adequate ventilation. Wear appropriate personal protective equipment. Avoid inhalation of vapors and contact with skin and eyes.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Wipe up with adsorbent material (e.g. cloth, fleece).
<b>Other information</b>	Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Provide good ventilation. Wear personal protective equipment. Avoid inhalation of vapors and contact with skin and eyes.
<b>Storage</b>	Keep away from heat, sparks and flame. Keep away from excessive heat or cold. Store in closed original container in a dry place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Ethylene glycol (CAS 107-21-1)	Ceiling	100 mg/m <sup>3</sup>	Aerosol.

**Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)**

Components	Type	Value	Form
Ethylene glycol (CAS 107-21-1)	STEL	104 mg/m <sup>3</sup>	
	TWA	40 ppm 10 mg/m <sup>3</sup> 20 ppm	
Glycerin (CAS 56-81-5)	TWA	10 mg/m <sup>3</sup>	Inhalable mist.

**Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)**

Components	Type	Value	Form
Ethylene glycol (CAS 107-21-1)	STEL	104 mg/m <sup>3</sup>	Vapor.
	TWA	40 ppm 52 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> 20 ppm	Vapor. Vapor. Particulate. Vapor.
Glycerin (CAS 56-81-5)	TWA	10 mg/m <sup>3</sup>	Inspirable dust.

**Biological limit values** No biological exposure limits noted for the ingredient(s).**Recommended monitoring procedures****Additional exposure data** No exposure standard allocated**Australia OELs: Skin designation**

Ethylene glycol (CAS 107-21-1) Can be absorbed through the skin.

**Engineering measures to reduce exposure** Provide adequate ventilation.

## Personal protective equipment

**Respiratory protection** Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection.

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

**Eye protection** Wear safety glasses; chemical goggles (if splashing is possible).

**Skin and body protection** Wear suitable protective clothing and eye/face protection.  
Remove and wash contaminated clothing before re-use.

**General** Avoid contact with the skin and the eyes. Wear suitable protective equipment.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

**Physical state** Not available.

**Color** Black.

**Odor** Odorless

**Odor threshold** Not available.

**pH** 6.8 - 7.7

**Vapor pressure** Not available.

**Boiling point** Not available.

**Melting point/Freezing point** Not available.

**Solubility (water)** Not available.

**Specific gravity** Not available.

**Flash point** 230.0 °F (110.0 °C)

**Flammability limits in air, upper, % by volume** Not available.

**Flammability limits in air, lower, % by volume** Not available.

**Auto-ignition temperature** Not available.

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## 10. STABILITY AND REACTIVITY

**Chemical stability** Stable under recommended storage conditions.

**Conditions to avoid** Not available.

**Materials to avoid** oxidizing agents

**Hazardous decomposition products** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.  
Carbon monoxide and carbon dioxide.

**Hazardous polymerization** None known.

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## 11. TOXICOLOGICAL INFORMATION

**Routes of exposure** Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation

**Toxicological information** Complete toxicity data are not available for this specific formulation

### Respiratory or skin sensitization

**Skin sensitization** Not available.

**Carcinogenicity** Proprietary component 1 is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).

**Aspiration toxicity** Not available.

### Toxicological data

Components	Species	Test Results
Ethylene glycol (CAS 107-21-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	9530 mg/kg
<i>Oral</i>		
LD50	Cat	1650 mg/kg
	Dog	5500 mg/kg
	Guinea pig	8.2 g/kg

Components	Species	Test Results
	Mouse	14.6 g/kg
	Rat	5.89 g/kg
<i>Other</i>		
LD50	Mouse	5.8 g/kg
	Rat	2800 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicological data

Components	Species	Test Results
Ethylene glycol (CAS 107-21-1)		
<b>Aquatic</b>		
Fish	LC50 Fathead minnow ( <i>Pimephales promelas</i> )	8050 mg/l, 96 hours
Glycerin (CAS 56-81-5)		
<b>Aquatic</b>		
Fish	LC50 Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> )	51000 - 57000 mg/l, 96 hours

**Ecotoxicity** The product components are 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.

### Bioaccumulation

#### Bioaccumulative potential

##### Octanol/water partition coefficient log Kow

Ethylene glycol	-1.36
Glycerin	-1.76

**Environmental effects** Not available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** Do not allow this material to drain into sewers/water supplies. Dispose of in compliance with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

### DOT

<b>UN number</b>	UN1760
<b>UN proper shipping name</b>	Corrosive liquids, n.o.s. (Sodium Hydroxide)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packaging group</b>	III
<b>Special precautions for user</b>	Not available.
<b>Transport hazard class(es)</b>	
<b>Label(s)</b>	8
<b>Special provisions</b>	IB3, T7, TP1, TP28
<b>Packaging exceptions</b>	154
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	241

### IATA

<b>UN number</b>	UN1760
<b>UN proper shipping name</b>	Corrosive liquids, n.o.s. (Sodium Hydroxide)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>Special precautions for user</b>	Not available.

### IMDG

<b>UN number</b>	UN1760
<b>UN proper shipping name</b>	Corrosive liquids, n.o.s. (Sodium Hydroxide)

**Transport hazard class(es)**  
**Class** 8  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** Not available.  
**Special precautions for user** Not available.

**ADR**

**Proper shipping name** Corrosive liquids, n.o.s. (Sodium Hydroxide)  
**Hazard class** 8  
**UN number** 1760  
**Packing group** III  
**Packaging exceptions** 154

**HAZCHEM code** None.

**DOT**



**IATA; IMDG**



**ADR**

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**15. REGULATORY INFORMATION**

**National regulations** No information available.

**Australia HVIC: Listed substance**

Ethylene glycol (CAS 107-21-1) Listed.  
 Glycerin (CAS 56-81-5) Listed.

**Australia Medicines & Poisons Schedule 5: Use/Concentration/Exceptions**

Ethylene glycol (CAS 107-21-1) in preparations containing not less than 10 mg/kg of denatonium benzoate as a bittering agent Exception may apply, see the regulation for relevance.

**Australia Medicines & Poisons Schedule 6: Use/Concentration/Exceptions**

Ethylene glycol (CAS 107-21-1) Exception may apply, see the regulation for relevance.

**Regulatory information** Contains components not listed in: Japan, Canada, European Union, and Philippines.

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## 16. OTHER INFORMATION

### Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

### Prepared by

HP

### Issue date

19-Aug-2015

### Version #

01

### This data sheet contains changes from the previous version in section(s):

1. Product and Company Identification: Alternate Trade Names  
Composition / Information on Ingredients

### Manufacturer information

HP  
1501 Page Mill Road  
Palo Alto, CA 94304-1112 US  
Direct 1-650-857-5020

### Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds