


# MATERIAL SAFETY DATA SHEET

	<b>Kuraray Poval</b> <b>CP-1210T30, CP-1220T10</b> Version: 03 Revised Date: 3/24/2008	<b>Kuraray America, Inc.</b> 2625 Bay Area Blvd, Suite 300, Houston, TX 77058 USA
	<b>P (US) 1006</b>	<b>Page 1/5</b>
<b>For Chemical Emergency Call-Day Or Night:</b> +1 - 713 - 495 - 7381		<b>For MSDS Info:</b> +1 - 713 - 495 - 7381

----- H M I S-----

Health	1
Flammability	1
Reactivity	0
Personal protection	F

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## Section 01 - Product Identification

**Trade name:** Kuraray Poval  
CP-1210T30, CP-1220T10

**CAS number:** Blend containing mainly 25213-24-5

**Chemical family:** Blend containing mainly polyvinyl alcohol

## Section 02 - Composition of the product

Chemical Name	CAS No.	Weight Percent
Polyvinyl alcohol - partially hydrolyzed	25213-24-5	60 - 100%

**Hazardous Ingredients:** None

## Section 03 - Hazards Identification

**Expected route of entry:**

Skin contact : Yes  
Skin absorption : Yes  
Eye contact : Yes  
Inhalation : Yes  
Ingestion : Yes

**Known effects on other illnesses:**

Persons with pre-existing eye or skin disorders or impaired pulmonary function may be more susceptible to the effects of this product.

**Listed carcinogen:**


OSHA: No  
NTP: No  
IARC: No  
Other: No

## Section 04 - First Aid Measures

**First aid for eyes:**

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

**First aid for skin:**

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Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

**First aid for inhalation:**

Remove subject to fresh air. Seek medical aid if lung irritation persists or if breathing becomes difficult.

**First aid for ingestion:** Do not induce vomiting. Get immediate medical help.

**Note to physician:** None known

**Section 05 - Fire Fighting Measures**

**Flash point:** > 93 °C  
**Flammable limits:** Lower Explosion Limit (LEL): unknown  
 Upper Explosion Limit (UEL): unknown

**Auto ignition temperature:** unknown

**Hazardous combustion products:** Thermal decomposition may produce oxides of carbon.

**Extinguishing media:**

Water:	Yes
Alcohol foam:	Yes
CO <sub>2</sub> :	Yes
Dry chemical:	Yes
Water / fog spray:	Yes

**Special fire fighting procedures:**

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

**Unusual fire and explosion hazards:**

Organic dusts have potential to be explosive with static spark or flame initiation. Maintain good housekeeping for control of dust. Ground all containers when transferring to avoid static charges.

**Section 06 - Accidental Release Measures**


**Steps to be taken in case of spill or leak:**

Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent. Place in suitable container. Pick up dry – forms slippery surface with water. Do not allow to contaminate water sources, sewers or soil.

**Section 07 - Handling And Storage**

**Handling and storage information:**

Avoid dust formation. In closed containers, due to the development of heat, vapors from methanol and methyl acetate could collect in the headspace of the containers therefore keep containers closed and away from open fires. Lead off electrostatic charges.

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## **Section 08 - Exposure Controls / Personal Protection**

### **Respiratory protection:**

If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134.

**Protective gloves:** Rubber or plastic

**Eye protection:** Safety glasses with side shields.

**Other protective equipment:** Clothing suitable to prevent skin contact.

### **Ventilation:**

Work area must be well ventilated to maintain dust concentration below TLY. Local exhaust ventilation is required.

**Exposure limits:** None on product

**IDLH (immediately dangerous to life or health concentration):** Not determined

## **Section 09 - Physical and Chemical Properties**

<b>Appearance and odor:</b>	White to pale yellow, odorless, powder to fine granules
<b>pH (4 % in water):</b>	4.5 - 7
<b>Solubility in water:</b>	Soluble
<b>Specific gravity:</b>	1.25-1.35 at 20 °C
<b>Boiling point:</b>	Not available
<b>Melting point:</b>	150 - 180 °C
<b>Density:</b>	Approx. 1.3 g/cm <sup>3</sup> at 20 °C
<b>Bulk density:</b>	400 - 600 kg/m <sup>3</sup>
<b>Decomposition temperature:</b>	Approx. 160 °C

## **Section 10 - Stability And Reactivity**


<b>Stability:</b>	Stable
<b>Conditions to avoid:</b>	Not known
<b>Hazardous polymerization:</b>	Will not occur
<b>Incompatibility:</b>	Strong oxidizing agents

## **Section 11 - Toxicological Information**

<b>LD50 (oral-rat):</b>	Not available
<b>Dermal irritation-rabbit:</b>	Not available
<b>Eye irritation-rabbit:</b>	Not available

### **Other toxicological values:**

Based on similar product testing this product is expected to be non-irritating to skin and eyes and have oral (rat) LD50 >2000 mg/kg.

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## **Section 12 - Ecological Information**

**Eco-toxicity:** The product is not expected to be hazardous to the environment.  
**Biodegradation:** Expected to be biodegradable in aqueous solution  
**Fish toxicity:** LC50 > 5000 mg/l (96 hours, Zebra fish)  
**Chemical oxygen demand:** Approx. 1600 mg/g

## **Section 13 - Disposal Considerations**

### **Waste disposal information:**

Disposal of waste product may be subject to federal, state, and local regulations. Refer to part 261 of 40 CFR for the applicability of federal regulations. Disposal of this material must be in a manner compliant with all federal, state and local regulations.

**RCRA hazardous waste:** No -- not as sold.  
**RCRA number:** None

## **Section 14 - Transport Information**

**DOT:** Not regulated  
**IATA:** Not regulated  
**IMDG:** Not regulated

## **Section 15 - Regulatory Information**

**TSCA:** All components of this product are on the list.

### **SARA (Section 311/312):**

Reactive hazard: No  
 Pressure hazard: No  
 Fire hazard: No  
 Immediate/acute: Yes  
 Delayed/chronic: No

### **SARA (Section 302):**

Contains an extremely hazardous substance: None


**SARA (Section 313 - toxic chemical):** None

### **Clean Water Act - Priority Pollutants:**

Contains no known priority pollutants at concentrations greater than 0.1%.

### **Clean Air Act - Volatile Organic Compounds:**

Content of VOC: < 1 wt. %  
 Method: Measured

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**CERCLA regulated components:** None

**FDA:**

Subject to limitations, please take contact with Kuraray America, Inc. for further information.

**Section 16 - Other Information**

**Other precautions:**

Observe all necessary precautions for handling powders as fine powder may present dust explosion hazard.

ACGIH (TLY) for particulate matter: 10 mg/m<sup>3</sup> inhalable particulate  
3 mg/m<sup>3</sup> respirable particulate

OSHA permissible exposure limit (PEL) for particulate matter:  
15 mg/m<sup>3</sup> total dust  
5 mg/m<sup>3</sup> respirable fraction

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In accordance with good practices of personal cleanliness and hygiene, handle with due care and avoid unnecessary contact with this product. This information is being supplied to you under OSHA "right to know" regulation 29 CFR 1910.1200 and is offered in good faith as typical values and not as a product specification. The information contained herein is based on data available to US and is believed to be true and accurate. No warranty, expressed or implied, regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof, is made. Kuraray America, inc. assumes no responsibility for damage or injury from the use of the product described herein.

**Kuraray America, Inc.**

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