



Plasti Pigments Pvt. Ltd

## MATERIAL SAFETY DATA SHEET

### PLASPEROX® BP-75

#### SECTION 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY

**PRODUCT NAME:** PLASPEROX® BP-75  
**TELEPHONE:** +91 22 - 2344-3688 / 2343-7890  
**MANUFACTURER:** Plasti Pigments Pvt. Ltd.  
**ADDRESS:** 401 Sai Chambers, 365/67 Narsi Natha Street,  
Mumbai-400 009. INDIA  
**EMAIL:** pppltd@vsnl.com  
**CHEMICAL NAME:** Benzoyl Peroxide in Water  
**CAS NO.:** 94-36-0  
**CHEMICAL FAMILY:** Organic Peroxide - Diacyl Peroxide  
**CHEMICAL FORMULA:**  $(C_6H_5CO)_2O_2$

#### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	%
Benzoyl Peroxide	94-36-0	74 - 77
Water	7732-18-5	23 - 26

#### SECTION 3 - HAZARD IDENTIFICATION OF THE PREPARATION

**PHYSICAL HAZARDS** Organic Peroxide - Decomposition. Moderate fire hazard.

**HEALTH HAZARDS** Irritant.

**EXPOSURE LIMITS** OSHA PEL and ACGIH TWA: 5 mg/m<sup>3</sup>.

#### ROUTES OF EXPOSURE

**Skin Absorption** May cause irritation with redness and pain, and skin sensitization in some individuals. Stinging or burning sensation may occur for a brief time after application to skin.

**Eye Contact** May cause irritation, redness, and pain.

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**Ingestion** Poison by ingestion. May cause human systemic effects by ingestion: hallucinations, distorted perceptions, nausea or vomiting and kidney, ureter or bladder changes.

**Inhalation** Decomposition products are toxic and inhalation of the products can produce life threatening health effects.

**EFFECTS OF OVER-EXPOSURE** May cause dermatitis, asthmatic effects, testicular atrophy, and vasodilation. Mutation data reported.

### **SECTION 4 - FIRST-AID MEASURES**

**Skin** Immediately remove any contaminated clothing. Wash contaminated area thoroughly with soap and copious amounts of water for at least 15 minutes. If irritation or adverse symptoms develop, seek medical attention.

**Eyes** Remove any contact lenses at once. Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop, seek medical attention.

**Ingestion** Contact a physician, hospital or Poison Control Center at once. DO NOT INDUCE VOMITING.

**Inhalation** Remove to fresh air, if coughing, breathing becomes labored, irritation develops or other symptoms develop, seek medical attention at once, even if symptoms develop several hours after the exposure.

### **SECTION 5 - FIRE-FIGHTING MEASURES**

**FLASH POINT** Not applicable.

**FLAMMABLE LIMITS** Not applicable.

**AUTOIGNITION POINT** Not applicable.

**FIRE EXTINGUISHER MEDIA** Water from a safe distance - preferably with a fog nozzle. In case of very small fires, other means such as carbon dioxide, foam or dry chemical extinguishers may be effective.

#### **SPECIAL FIRE FIGHTING PROCEDURES**

Fireman should be equipped with full protective clothing and SCBA's. In case of fire near storage area, cool the containers with water spray.

#### **UNUSUAL FIRE AND EXPLOSION HAZARDS**

Fire hazard increases when material becomes dry. Container explosion may occur under fire conditions. May explode when heated. May be shock-sensitive. Emits toxic fumes under fire conditions. Contact with other material may cause fire. Selfignition is possible. May accelerate combustion.

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### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

#### **STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE**

Spilled material not immediately cleaned up may increase the fire hazard due to evaporation of water away from the benzoyl peroxide. Transfer material into a lean DOT approved container for proper disposal. Spilled material not immediately cleaned up should be wetted with water prior to transfer into disposal container. Dike to prevent runoff from entering drains, sewers, streams, etc. Wear necessary PPE as indicated by Section 8. Be sure to following all instructions in Section 7 when storing spilled material.

### **SECTION 7 - HANDLING AND STORAGE**

**HANDLING** Keep containers closed to prevent contamination. Rotate stock using the oldest material first. When necessary employ grounding, bonding, and explosion venting due to static discharge, shock, impact, heat, friction, or blows. Use necessary PPE as indicated by Section 8.

**STORAGE** Store in a cool, well-ventilated and fire-resistant location. Shield containers from direct sunlight and maintain their temperature at less than 38°C (100°F). DO NOT STORE WITH FOOD OR DRINK. See [www.plastipigments.com](http://www.plastipigments.com) for additional storage information/requirements.

**OTHER PRECAUTIONS** Avoid any conditions that may cause drying or contamination. Do not leave material uncovered. Store in proper storage area and remove only as needed. Keep material in its original container. DO NOT USE NEAR FOOD OR DRINK.

### **SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

**VENTILATION** Mechanical, general.

**RESPIRATORY PROTECTION** If airborne concentrations are expected to exceed acceptable levels wear a DISH approved air-purifying respirator with an organic vapor cartridge or canister. When using respirators use DISH approved ones only.

**EYE PROTECTION** Safety goggles recommended. Permanent eyewash is highly recommended.

**HAND PROTECTION** Protective gloves recommended, solvent resistant, such as butyl rubber, nitrile or neoprene.

**OTHER** None.

**PLASPEROX® BP-75****SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** White granular solid with no odor.

<b>BOILING POINT:</b>	Decomposes.	<b>SPECIFIC GRAVITY:</b>	1.3 at 25°C.
<b>VAPOR PRESSURE:</b>	Not applicable.	<b>FLASH POINT:</b>	Not applicable.
<b>VAPOR DENSITY:</b>	Not applicable.	<b>FLAMMABLE LIMITS:</b>	Not applicable.
<b>EVAPORATION RATE:</b>	Not applicable.	<b>SADT:</b>	>65°C.
<b>% VOLATILE BY VOLUME:</b>	Not applicable.	<b>pH:</b>	Not applicable.
<b>SOLUBILITY IN WATER:</b>	Negligible.		

**SECTION 10 - STABILITY AND REACTIVITY**

**STABILITY** Stable unless exposed to heat, flames and drying conditions.

**MATERIALS TO AVOID** Dimethylaniline, cobalt napthenate and other promoters, accelerators, reducing agents, or any hot material.

**CONDITIONS TO AVOID** Contamination. Water loss (drying). Direct sunlight. Open flame. Prolonged storage above 100°F (38°C). Storage above SADT. Storage near flammable or combustible materials.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Dense white smoke of benzoic acid; phenyl benzoate; terphenyls; biphenyls: benzene and carbon dioxide. Decomposition products may be flammable.

**HAZARDOUS POLYMERIZATION** Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION****Benzoyl Peroxide****Hazard Data:**

<b>Intraperitoneal:</b>	Mouse--LD50: 250 mg/kg.	
<b>Oral:</b>	Rat--LD50: 7710 mg/kg;	Mouse--LD50: 5700 mg/kg.
<b>Skin:</b>	Mammal (unspecified)--LD50: >1 gm/kg.	

**SECTION 12 - ECOLOGICAL INFORMATION**

No data is available on the preparation itself. The product should be prevented from entering drains, sewers, streams, etc.

**PLASPEROX® BP-75****SECTION 13 - DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved facility. Processing, use, or contamination of this product may change the waste management options.

Immediately dispose of waste material at an approved hazardous waste management facility in accordance with central, state and local regulations.

**SECTION 14 - TRANSPORT INFORMATION**

<b>DOT Shipping Name:</b>	ORGANIC PEROXIDE TYPE C, SOLID (DIBENZOYL PEROXIDE, ≤77%)
<b>DOT Hazard Class:</b>	5.2
<b>UN/NA ID No.:</b>	UN3104
<b>DOT Packaging Group:</b>	PG II
<b>Labels:</b>	5.2 (Organic Peroxide)
<b>2004 ERG GUIDE NO:</b>	146

**SECTION 15 - REGULATORY INFORMATION**

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Percent</b>
Benzoyl Peroxide	94-36-0	74 - 77

**Australian Inventory of Chemical Substances (AICS)**

The ingredients in this product are listed in the Australian AICS Inventory.

**Canadian Domestic Substances List (DSL)**

The ingredients in this product are listed in the Canadian DSL Inventory.

**Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC)**

The ingredients in this product are listed in the Chinese IECSC Inventory.

**European Inventory of Existing Commercial Chemical Substances (EINECS)**

The ingredients in this product are listed in the European EINECS Inventory.

**Korean Existing Chemicals List (ECL)**

The ingredients in this product are listed in the Korean ECL Inventory.

**Japanese Existing and New Chemical Substances (ENCS)**

The ingredients in this product are listed in the Japanese ENCS Inventory.

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### **Philippines Inventory of Chemicals and Chemical Substance (PICCS)**

The ingredients in this product are listed in the Philippines PICCS Listing.

### **US Toxic Substances Control Act (TSCA)**

The ingredients in this product are listed in the US TSCA Inventory.

### **Status of Carcinogenicity**

Not recognized as a carcinogen by the IARC, NTP or OSHA.

## **SECTION 16 - OTHER INFORMATION**

### **VOC Information**

Product contains no ingredients that meet the definition of a VOC.

### **NFPA 432 Organic Peroxide Classification**

Class III

### **NFPA 704 Rating HMIS Rating**

Health Flammability Reactivity Health Flammability Reactivity

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**MSDS Reference:** BP-75 MSDS 06.08.1

### **DISCLAIMER OF LIABILITY**

The information in this MSDS was obtained from sources which we believe are reliable. **However, the information is provided without any warranty, express or implied, regarding its correctness.**

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. **For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product.**

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.