

PRODUCT NAME **BELLASTONE (TM) SEAMLESS STANDARD ACTIVATOR**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** JUST STONE PTY LTD  
**Address** Unit B, 13 - 21 Mandible Street, Alexandria , NSW, Australia, 2015  
**Telephone** (02) 9310 3222  
**Fax** (02) 9310 3444  
**Emergency** 0412 744 944  
**Email** enquiries@juststone.com.au  
**Web Site**

**Synonym(s)** JUST STONE SEAMLESS STANDARD ACTIVATOR  
**Use(s)** ACTIVATOR, ADHESIVE, TWO COMPONENT PACK

## 2. HAZARDS IDENTIFICATION

### CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

#### RISK PHRASES

R43 May cause sensitisation by skin contact.

#### SAFETY PHRASES

S2 Keep out of reach of children.

S3/7 Keep container tightly closed in a cool place.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

### NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN No.</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>Pkg Group</b>	None Allocated
<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	None Allocated

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
BENZOYL PEROXIDE	C14-H10-O4	1-10%	94-36-0
DIISOBUTYL PHTHALATE	Not Available	30-60%	84-69-5
TEXANOL BENZYL PHTHALATE	C27H34O6	30-60%	16883-83-3

## 4. FIRST AID MEASURES

**Eye** Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.

**Inhalation** Leave area of exposure immediately. If assisting a victim avoid becoming a casualty, wear a Type A (Organic vapour) respirator where an inhalation risk exists. If victim is not breathing apply artificial respiration and seek urgent medical attention.

**Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

**Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

**Advice to Doctor** Treat symptomatically

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## 5. FIRE FIGHTING MEASURES

<b>Flammability</b>	Combustible. May evolve benzoic acid, carbon oxides, benzene, biphenyls, phenyl benzoate and terphenyls when heated to decomposition (> 65 C). Burns fiercely. DO NOT HEAT - MAY EXPLODE.
<b>Fire and Explosion</b>	Combustible - may decompose violently or explode in fire situation. Evacuate area and contact emergency services. Toxic gases (benzoic acid, biphenyls, benzene, carbon oxides, phenyl benzoate) may be evolved. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use water fog to cool intact containers and nearby storage areas.
<b>Extinguishing</b>	Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
<b>Hazchem Code</b>	None Allocated

## 6. ACCIDENTAL RELEASE MEASURES

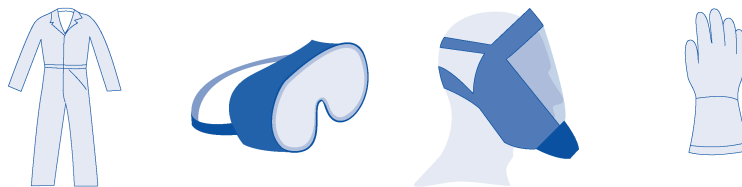
<b>Spillage</b>	If spilt (bulk), contact emergency services. Wear splash-proof goggles, barrier gloves, a Type A (Organic vapour) respirator (or Air-line respirator in poorly ventilated areas), coveralls and boots. Ventilate and clear area of all unprotected personnel. Eliminate heat and ignition sources. Absorb spill with sand or similar and place in sealable containers for disposal. Prevent spill entering drains or waterways.
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## 7. STORAGE AND HANDLING

<b>Storage</b>	Store in cool, dry, well ventilated area, removed from direct sunlight, oxidising agents, acids, alkalis, amines, specific incompatibilities, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection and ventilation systems.
<b>Handling</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Ventilation</b>	Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended.
<b>Exposure Standards</b>	BENZOYL PEROXIDE (94-36-0) ES-TWA: 5 mg/m <sup>3</sup> WES-TWA: 5 mg/m <sup>3</sup> DIISOBUTYL PHTHALATE (84-69-5) WES-TWA: 5 mg/m <sup>3</sup>
<b>PPE</b>	Wear splash-proof goggles, a Type A (Organic vapour) Respirator, coveralls and barrier gloves. If spraying, with prolonged use, or if in confined areas, wear an Air-line respirator and impervious coveralls. If sanding dry product, wear a Class P1 (Particulate) Respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	OFF-WHITE PASTE	<b>Solubility (water):</b>	INSOLUBLE
<b>Odour:</b>	SLIGHT ODOUR	<b>Specific Gravity:</b>	1.1
<b>pH:</b>	NOT AVAILABLE	<b>% Volatiles:</b>	NOT AVAILABLE
<b>Vapour Pressure:</b>	< 0.5 mm Hg @ 20 C	<b>Flammability:</b>	COMBUSTIBLE
<b>Vapour Density:</b>	NOT AVAILABLE	<b>Flash Point:</b>	> 176.7 C
<b>Boiling Point:</b>	> 287.8 C	<b>Upper Explosion Limit:</b>	NOT AVAILABLE
<b>Melting Point:</b>	NOT AVAILABLE	<b>Lower Explosion Limit:</b>	NOT AVAILABLE
<b>Evaporation Rate:</b>	NOT AVAILABLE	<b>Autoignition Temperature:</b>	NOT AVAILABLE
<b>Exposure Standard:</b>	5 mg/m <sup>3</sup> Benzoyl peroxide		

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Incompatible (may cause fires/ explosions) with heat, alcohols, metallic naphthenates, acids, alkalis, amines, nitrates, methacrylates, combustible material, oxidising (eg peroxides) and reducing agents (eg. bisulphites).
<b>Decomposition Products</b>	May evolve benzoic acid, carbon oxides, benzene, biphenyls, phenyl benzoate and terphenyls when heated to decomposition (> 65 C).

## 11. TOXICOLOGICAL INFORMATION

<b>Health Hazard Summary</b>	Irritant. Use safe work practices to avoid eye or skin contact and vapour inhalation (especially during curing). Over exposure may result in respiratory and skin sensitisation, and lung tissue damage. Benzoyl peroxide is not classifiable as to its carcinogenicity in humans (IARC Group 3). Due to product form (paste), adverse inhalation health effects are greatly reduced.
<b>Eye</b>	Irritant. Exposure may result in lacrimation, irritation, pain, redness, conjunctivitis and possible corneal burns with prolonged contact.
<b>Inhalation</b>	Irritant. Inhalation may cause irritation to the respiratory system, nose and throat irritation, coughing, and headache. Over exposure may result in decreased pulse and temperature, dyspnea and wheezing, abdominal pain, and stupor.
<b>Skin</b>	Irritant. Contact may cause rash, dermatitis and possible sensitisation.
<b>Ingestion</b>	Low to moderate toxicity. Ingestion may result in nausea, vomiting, gastrointestinal irritation and diarrhoea.
<b>Toxicity Data</b>	<b>BENZOYL PEROXIDE (94-36-0)</b> Carcinogenicity: Unclassifiable carcinogenicity in humans (IARC Group 3) LD50 (Ingestion): 5700 mg/kg (mouse) LD50 (Skin): > 1000 mg/kg (mammal) <b>DIISOBUTYL PHTHALATE (84-69-5)</b> LD50 (Ingestion): 13 g/kg (mouse) LD50 (Skin): 10 g/kg (guinea pig)

## 12. ECOLOGICAL INFORMATION

<b>Environment</b>	Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
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## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	Mix parts A + B together (small amounts), absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Ensure protective equipment is worn when mixing. Do not seal containers/tins until reaction is complete. Contact the manufacturer for additional information. Prevent contamination of drains or waterways as environmental damage may result.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

<b>Shipping Name</b>	None Allocated				
<b>UN No.</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>Pkg Group</b>	None Allocated
<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	None Allocated

## 15. REGULATORY INFORMATION

<b>Poison Schedule</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>AICS</b>	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

<b>Additional Information</b>	This product is intended for use with BellaStone (TM) Seamless Standard Adhesive. Please consult the appropriate Chem Alert report before use.
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**ORGANIC PEROXIDES:** Fires involving organic peroxides can be intense and move rapidly due to product rapid decomposition with release of oxygen and may involve explosions. If spilt on combustible materials it may spontaneously ignite. A diluent is often added to organic peroxides to reduce shock sensitivity.

**SYNERGISM - ANTAGONISM:** Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

**WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT:** If sanding, cutting or welding dried or cured

**PRODUCT NAME BELLASTONE (TM) SEAMLESS STANDARD ACTIVATOR**

product, adverse health effects may be avoided by the use of appropriate engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (eg. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

**ABBREVIATIONS:**

mg/m<sup>3</sup> - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

CNS - Central Nervous System

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Report Status**

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

**Prepared By**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au

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**End of Report**