




# MATERIAL SAFETY DATA SHEET


<b>SECTION 1 – Identification</b>		
Product Number and Name	<b>98050 UV Bond 3g</b>	
Manufactured by	Pratley Polymers Manufacturing (Pty) Ltd	
Street address	Jackson Street, Fatoria, Krugersdorp, South Africa, 1745	
Telephone number	+27-11-955-2190	
Fax number	+27-11-955-3918	
Emergency Telephone Number	+27-11-955-2190	
<b>SECTION 2 – Hazards Identification</b>		
Classification	 <b>X<sub>n</sub></b>	
Label	<p><b>R36/38</b> Irritating to eyes and skin.  <b>R43</b> May cause sensitization by skin contact.  <b>R52/53</b> Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.  <b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  <b>S28</b> After contact with skin, wash immediately with plenty of soap and water.  <b>S36/37/39</b> Wear suitable protective clothing, gloves and eye/face protection.  <b>S61</b> Avoid release to the environment.</p>	
Other Hazards	None expected.	
<b>SECTION 3 – Composition / Information on Ingredients</b>		
Hazardous Ingredients	%	CAS#
2,4,6 trimethyl benzoyl diphenyl phosphine oxide	<1	75980-60-8
2-propenoic acid, 2-methyl 2-hydroxypropyl ester	15-25%	923-26-2

SECTION 4 – First Aid Measures		
Skin	Wash with soap and water.	
Eye	Wash with water for 15 minutes while holding the eyelids open. Seek medical attention.	
Inhalation	Remove from exposure. Loosen clothing to aid breathing. Seek medical attention.	
Ingestion	Do not induce vomiting. Immediately give plenty of water to dilute stomach contents. Do not give anything by mouth to an unconscious person. Place an unconscious person in the recovery position.	
SECTION 5 – Fire Fighting Measures		
Flammable	Not classed as flammable. At temperatures above the flash point, this material gels.	
Auto-ignition Temperature (°C)	Not done	
Suitable extinguishing media	Dry chemical, foam or carbon dioxide	
Hazardous combustion products	This material gels before it will burn. If burning, it may release oxides of carbon, nitrogen and phosphorous.	
Protective action for fire-fighters	Use a self-contained breathing apparatus.	
SECTION 6 – Accidental Release Measures		
Emergency procedure	Contain spills so as not to release into the environment.	
Protective equipment required	Skin	Nitrile rubber gloves.
	Face / Eyes	Face shield and/or goggles.
	Clothing	No specific clothing required. Wash immediately after use.
	Ventilation	Work in a well-ventilated area. No additional measures should be required.
Environmental precautions	Contain all spills. Ventilate the area.	
Containment procedure	Containment is not always possible due to the fast curing nature of the material; will solidify within seconds of being exposed to sunlight. If in an area not in sunlight, absorb on sand or another inert material.	
Clean-up procedure	Solidified material (exposed to sunlight) can be disposed of with normal waste.	
SECTION 7 – Handling and storage		
Storage requirements	Store in a cool dry place between 7°C and 27°C out of sunlight. Do not freeze. Do not return unused portions to the original container.	
Conditions to avoid	Heat and sunlight	
Incompatible materials	Acids, oxidisers	

<b>SECTION 8 – Exposure Control / Personal Protection</b>		
Exposure Limits	ACGIH TLV	Not determined
	OSHA PEL	Not determined
Engineering controls	Ensure adequate ventilation.	
Personal Protective Equipment	Skin	As this is a small pack consumer item, skin protection is not normally required. If prolonged contact is expected use nitrile rubber gloves. The material may become stuck to skin if exposed to sunlight. This will wash off fairly easy with soap and water after a few days; pulling off is not recommended.
	Face / Eye	A face shield or goggles should be used when working with larger quantities.
	Inhalation	Use in a well-ventilated area. As this is a small pack consumer item, additional respiratory protection is not normally required.
	Ingestion	Do not eat or drink while working with this product. Ingestion is not expected during normal use.
	Thermal	None required.
	Other	Always wash hands after use.
<b>SECTION 9 – Physical and Chemical Properties</b>		
Appearance	Clear to slightly yellow liquid	
Odour	Ester like	
Viscosity at 25°C	500 mPa.s	
Density at 20°C	1.1g/ml	
Solubility – water	Insoluble to very slightly soluble	
Solubility – solvent	Soluble (ethanol)	
Melting / Freezing point	Not done	
Boiling point (initial)	Not done	
Flash point	>100°C cc	
Evaporation rate	Not done	
Flammability	At temperatures above the flash point, this material gels.	
Explosive limits	Not determined.	
Vapour pressure	Not determined.	

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<b>SECTION 10 – Stability and Reactivity</b>	
Reactivity	1 = reactive material
Chemical stability	Stable
Possibility of hazardous reactions	Not expected under normal storage conditions and if used as directed.
Conditions to avoid	Heat and sunlight
Incompatible materials	Oxidizers, free radical initiators
Hazardous decomposition products	This material gels before it will burn. If burning, it may release oxides of carbon, nitrogen and phosphorous.
<b>SECTION 11 – Toxicological Information</b>	
Acute toxicity	Not evaluated on mixture but not expected to be toxic. 2,4,6 trimethylbenzoyldiphenylphosphineoxide and 2-propenoic acid, 2-methyl 2-hydroxypropyl ester have an LD <sub>50</sub> >5000mg/kg
Skin corrosion / irritation	Irritant
Serious eye damage / irritation	Irritant
Respiratory or skin sensitization	Yes
Germ cell mutagenicity	Not done
Carcinogenicity	Not done
Reproductive toxicity	2,4,6 trimethylbenzoyldiphenylphosphineoxide: class 2 when tested on lab animals
Aspiration hazard	Yes
<b>SECTION 12 – Ecological Information</b>	
Toxicity	2,4,6 trimethylbenzoyldiphenylphosphineoxide : EC <sub>50</sub> : 10-100mg/L/72H (algae)
Persistence and degradability	Not done
Bio-accumulative potential	Not expected to bioaccumulate.
Mobility in soil	Not done
Other adverse effects	Not done

SECTION 13 – Disposal Considerations		
Small spills	If not in sunlight, absorb on paper towel or similar material, leave in the sunlight for a few minutes to harden and dispose of as normal waste.	
Large spills	Absorb on sand or other absorbent material, and place in a disposal container. Should be disposed of in accordance with local regulations.	
Special precautions- incineration	Wear self-contained breathing apparatus.	
Special precautions for landfill	This material should not be placed in landfill.	
Disposal container	In accordance with local regulations.	
SECTION 14 – Transport Information		
UN Number	3082	
UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (2,4,6 trimethylbenzoyldiphenylphosphineoxide)	
Transport Hazard Class	9	
Packing Group	III	
Environmental Hazard	Yes	
Special precautions	None known	
SECTION 15 – Regulatory Information		
EU Classification	<div> <b>X<sub>n</sub></b></div>	
Safety Phrases	<b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. <b>S28</b> After contact with skin, wash immediately with plenty of soap and water. <b>S36/37/39</b> Wear suitable protective clothing, gloves and eye/face protection. <b>S61</b> Avoid release to the environment.	
Risk Phrases	<b>R36/38</b> Irritating to eyes and skin. <b>R43</b> May cause sensitization by skin contact. <b>R52/53</b> Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.	
USA Classification	Health	1
	Flammability	1
	Reactivity	1
SECTION 16 – Other Information		
Date prepared	2013.01.25	
Revision number	00	

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Changes from previous version	New Product	
Key to abbreviations	UN	United Nations
	IMDG	International Maritime Dangerous Goods
	ADR	European Agreement concerning the International Carriage of Dangerous Goods by Rail
	RID	Regulation concerning the International Carriage of Dangerous Goods by Rail