


OSCA Product Application Assessment Sheet

(proforma TRIM)

D12/263537)

Applicant: Mark Pilgrim	OSCA Product: Key 2 Bio
Type/subtype: Biodegradation OBA 3.1 Nutrient Only	Assessor: Paul Irving – Senior Scientific Coordinator
Date: 7/3/22	TRIM File/Container Reference: D22/55534 in 2021/14808
Attachments: <ul style="list-style-type: none"> • Application form (D22/55458) • Australian ecotoxicology report (D22/55460) • Label (D22/55462) • MSDS (D22/55463) Supporting documents <ul style="list-style-type: none"> • Composition (in Confidence) (D22/55459) • Results of testing for banned substances (D22/55459) • Biodegradation assessment report (D22/55464) as Shamantra Green – same product – different international brand name. <p>Also attached draft acceptance letter from ED-R at D22/55473 for signing and PDF email to: mark@key2group.com</p>	
Recommendation to the Manager, Response Planning: <p>I recommend that Key 2 Bio be listed on the National Plan Oil Spill Control Agents Register as a Biodegradation Agent (OBA 3.1 nutrient only), noting that it meets all requirements of listing (as per the National Plan Policy for the Register of Oil Spill Control Agents – May 2015).</p>	
Signed:  Paul Irving, Senior Adviser, Strategic Risk & Science	Agreed: Jamie Storrie Manager, Response Planning

Application documentation required	Completed satisfactorily	Assessment comments and notes
1. Attachment 1.1 - Completed application form.	yes	D22/55458 and signature page at D22/55466
Product description (s4.1)		
2. Name of product (name, brand and trademarks under which it is sold or distributed).	yes	Key 2 Bio Oil Bioremediation Agent
3. Type of product (as per Table 1.1).	Yes	Biodegradation Agent (OBA 3.1 nutrient only),
4. Contact details of manufacturer and Australian distributor.	Yes	Mark Pilgrim Key 2 Group Ltd L3 S405, 152 Bunnerong Road Eastgardens NSW

Name, address telephone number, e-mail address		2036 mark@key2group.com	
5. Specific applications or uses (objectives when applied).	Yes	Bioremediation of oil and oily residues when applied through adding nutrients to local microorganisms in water and sediments that breakdown oil.	
6. Method of application.	Yes	Various application methods may be used including broadcasting or spreading by manual or mechanical means, air or water streams, sand blasting equipment, fire hoses, pneumatic equipment or similar.	
7. Indicative application rates .	Yes	1:10-1-30 ratio of product to oil volume by weight	
8. Special handling requirements: <i>including PPE or other protection</i> .	Yes	Goggles (eye protection) and dust mask recommended during handling bulk product if dust is generated.	
9. Storage requirements and shelf life (s4.1.1) - <i>container, maximum and minimum temperature</i> .	Yes	Infinite when stored in delivery containment. Keep dry, keep away from flames or ignition sources. May be stored in silos, plastic bags, plastic or metal containers, tote bags, bulk bags or similar. Store in conditions under 200C.	
10. Details of product formulation - in confidence (s4.1.2 & 3)	Yes	Lignite subjected to proprietary aeroacoustic process that liberates the humic content to be immediately available .Provided in D22/55459	
11. Physical characteristics as per Table 1.3.	Yes, In Application and in SDS	1. Colour & general description	black
		2. Form	powder
		3. Density	0.6
		4. Viscosity	n/a
		5. Flash point	n/a
		6. Pour point	n/a
		7. Cloud point	n/a
		8. Water miscibility	Less than 1%
		9. Solubility	nil
12. Prohibited ingredients (s4.1.2) – <i>no benzene, carbon tetrachloride or other chlorinated hydrocarbons, phenol, cresols, caustic alkali, or free mineral acid</i>	None	D22/55459	
13. Aromatic hydrocarbons (s4.1.3) <i>If used in the OSCA, an upper limit of 3% total aromatic hydrocarbons.</i>	None	D22/55459	
Proposed Container Label (s4.2) in D22/55462			
14. Container label requirements		1. Product Name	Yes
		2. Product Type	Yes
		3. Manufacturer and contact details	Yes
		4. Date of manufacture, batch number & expiry date	Yes

		5. Container volume or weight	Yes
		6. List of main or active ingredients	Yes
		7. Transport codes	Yes
		8. Warnings	Yes
		9. Recommended storage	Yes
		10. Basic Safety instructions	Yes
15. Materials Safety Data Sheet (MSDS) - s4.3	Yes	SDS at D22/55463	
Test Certificate Requirements (s4.4)			
16. Efficacy test report - s4.4	Yes	95.3-99.7% within 28 days at D22/55464	
17. Ecotoxicology test report - s4.4	Yes	At D22/55460	
18. Other relevant comments			