

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

February 14, 2006

MEMORANDUM

**SUBJECT:** Carboserve – New Product for Bardac 22C50 for Oil Field Biocide and Materials Preservative; Environmental Hazards Review (D318549)

**TO:** Jacqueline Campbell-McFarlane  
Velma Noble, RM-31  
Dennis Edwards, Branch Chief  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

**FROM:** Kathryn Montague, Biologist/Acting Team Leader  
Risk Assessment and Science Support Branch  
Antimicrobials Division (7510C)

**THRU:** Norm Cook, Chief  
Risk Assessment and Science Support Branch  
Antimicrobials Division (7510C)

Lonza, Inc., has submitted a new product, Carboserve, for use as an oil field water flood system biocide and preservative for various industrial and household materials, including metal working fluids, paints, and cleaning products. Carboserve is 50% didecyl dimethyl ammonium carbonate/bicarbonate, and is identical to the manufacturing-use product Bardac 22C50. Lonza has concurrently submitted a label amendment for Bardac 22C50 to include these new uses.

The proposed label for Carboserve includes a restriction from application in marine or estuarine oil fields. The label also includes appropriate environmental hazards statements regarding toxicity to fish and invertebrates and requirements for NPDES permits prior to discharge of any effluents containing the product. Disposal of hazardous wastes resulting from the use of Carboserve and/or Bardac 22C50 is regulated by regional EPA or local authorities, as stated on the product label.



RASSB considers the proposed uses to be closed-system or indoor uses, with limited environmental exposure if label directions are followed. Therefore, RASSB does not anticipate any risks to aquatic or terrestrial wildlife or plants from the proposed new uses.

Please note that the manufacturing use product (Bardac 22C50) is also used for wood preservation. The environmental and ecological risks from that use were addressed separately at the time of registration of Bardac 22C50, and an update of that assessment will be performed, pending receipt of required environmental monitoring data from the registrants.

If you have any questions, please contact Kathryn Montague (703.305.1243 or [montague.kathryn@epa.gov](mailto:montague.kathryn@epa.gov) ).