



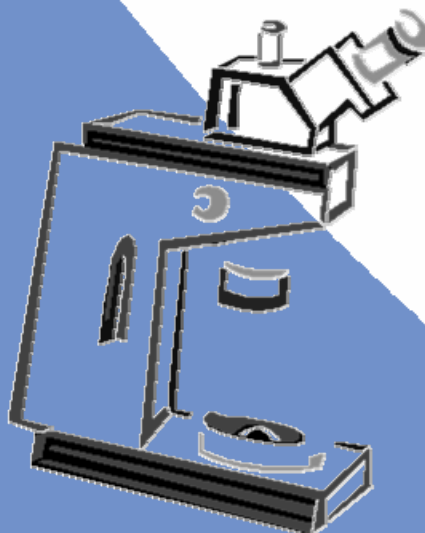
THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

Management of Scintillation Waste Including the Scintillation Vials.

29th May, 2012

**Bartolo Safety
Management Service**

Laboratory, Radiation and
Dangerous Goods Consultant



Management of Scintillation Waste Including the Scintillation Vials.

May 2012

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Disclaimer

The material contained in this report is the professional opinion of the author based on the relevant Legislation, Australian Standards, Codes of Practice and experience. The author has taken all care with respect to the information contained in the report but takes no responsibility for any errors contained in it or arising from it.

Used Scintillation Vials and Contents

May, 2012

The Solution

To reduce the risk and minimise the time required dealing with used scintillation vials, the used vials should be packed in a 15 litre plastic pail. Once the pail is filled it is sealed with the appropriate lid and the appropriate labels are attached.

The pails and lids that available and are reasonably priced are supplied by either Ayva Packaging or Cospak Pty Ltd, but any similar pail from any other supplier would suffice. These pails are appropriate and robust enough to contain a good number of used scintillation vials but are not so big as to be a manual handling problem.



The contact details for Ayva Packaging are:

Ayva Packaging

223-225 Newton Rd

Wetherill Park

NSW 2164

Phone: 9725 4080

Web: //www.ayva.com.au

And the contact details for Cospak are:

Cospak Pty Ltd

1 Culverston Road

Minto NSW 2566

Phone: 02 9820 8999

Web: //www.cospak.com.au/

The price of these pails (as of May 2012) are:

Ayva Packaging (attached is pdf information sheet)

15L Elite Pail –plain (pallet of 192) ex-works \$3.60 incl lids, excl GST each

Freight cost is dependent on order and location.

Cospak Pty Ltd

15 litre Pail [BP15]

1-29 units = \$8.67 excl GST each.

30-303 units = \$7.22 excl GST each

<303 = \$6.90 excl GST each

Lids [BL15]

1-29 units = \$2.28 excl GST each.

30-303 units = \$1.89 excl GST each

<303 = \$1.62 excl GST each

Freight cost is dependent on order and location.

Once the pail is filled it is then labeled appropriately for storage in the Low Level Radiation facility. All the required documentation is completed by the generator of this waste, and organize for the consultant Radiation Safety Person to measure, determine activity and ability to dispose, and then sign off on the disposal. It is then up to OHS to arrange disposal when it is appropriate.

Attached is the proposed waste guideline for the University Safety Manual.

Waste Disposal Procedure

Used Scintillation Vials Complete with Scintillant.

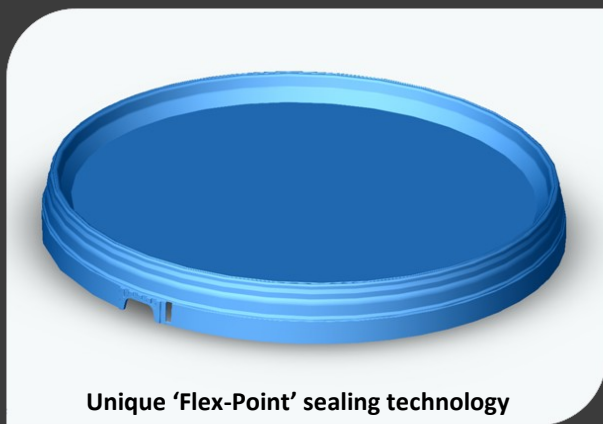
Used scintillation vials are not to be decanted of their contents before disposal. The vials (including their contents – scintillation fluid) are to be packed in the appropriate sealable pail available from **???????**. DO NOT OVERFILL these pails so that it is difficult to properly close and seal the lid.

These pails, once filled and sealed, are to be stored in the **University Radiation Waste Bunker** (contact Ms Debbie Edmunds) until disposal, and as such these pails are to have the appropriate label for storage in that facility, **COMPLETE** with all the required information and documentation.

PRODUCT SPECIFICATION

15L Elite Pail

8th December 2010



Unique 'Flex-Point' sealing technology

15L Elite Pail - Plain

Code: White	P15L-PP001-WHO
Code: Natural	P15L-PP001-NAO
Weight (ex Handle)	580.0 +/- 10g
Material	Co-Polymer Impact Polypropylene
Brimful Capacity	17.1 Litres
Lidded Capacity	16.6 Litres
Pallet Quantity	192 / pallet

Moulded Side handles for ease of use

Tamper-Evident

10 / 15 / 20L Elite Pail Lid

Code: White	L20L-PP001-WHO
Code: Natural	L20L-PP001-NAO
Weight	160.0 +/- 10g
Material	Co-Polymer Impact Polypropylene
Pallet Quantity	1,536 / pallet

Dimensions

Pail Height	312mm +/- 2mm
Pail Height with Lid	314mm +/- 2mm
Base Width	264mm +/- 2mm
Lid Width	305mm +/- 2mm

Optional Features

- UV Protection
- In Mould Labeling (IML) available for Pail and Lid
- Screen Printing and Adhesive Labeling
- Various Lid Colours available

ALL MATERIALS USED ARE APPROVED FOR FOOD CONTACT

223—225 Newton Road,
WETHERILL PARK, NSW 2164
P: +61-2-9725-4080 F: +61-2-9757-1030
www.ayva.com.au

MANUFACTURED IN AUSTRALIA

AYVA PACKAGING
Plastic Packaging Solutions

Product Details

Pails & Lids

Item Number : BP15
Description : 15 Litre WHITE T/E BARODA PAIL
Pack Quantity : 304
Product Availability : Stock Line
Brimful ml.: 15L
Height mm: 314mm
Diameter mm: 319mm
Related Products:
WHITE LID FOR 15 Litre BARODA PAIL (BL15)
Available In:



Product Details

Pails & Lids

Item Number : BL15
Description : WHITE LID FOR 15 Litre BARODA PAIL
Pack Quantity : 30
Product Availability : Stock Line
Related Products:
15 Litre WHITE T/E BARODA PAIL (BP15)
Available In:



Cospak

Sydney - Australian Sales Branch

1 Culverston Road MINTO NSW 2566

Tel: 02 9820 8999 Fax: 02 9820 6999

Email: nsw@cospak.com.au