

University of Oxford COSHH Assessment Form

Read the notes on completion before attempting to fill in this form. If insufficient space is available under any section, use a separate piece of paper and attach it to the form.

File ref: Phosphosafe
COSHH
Date: May 2016

Department: NDM,
NDMRB

Persons involved: All NDMRB Laboratory Staff

Location of work:
NDMRB Laboratories

Description of procedure: Protein extraction reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Phosphosafe	25ml vials at 1X	Weekly, As required	Toxic and Irritant	Ingestion, contact with skin and eyes,

Could a less hazardous substance (or form of the substance) be used instead? Yes/No
Justify not using it:

What measures have you taken to control risk?

Engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

PPE: Gloves, lab coat and safety glasses to be worn at all times.

Management measures: Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above -70°C (-94°F).

Most important symptoms and effects, both acute and delayed:

- **Ingestion** very hazardous in case of ingestion. May be fatal if swallowed
- **Skin Contact** hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
- **Eye Contact** hazardous in case of eye contact (irritant).
- **Aggravating conditions** repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Accidental release measures: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Environmental Precautions Prevent further leakage or spillage if safe to do so.

Checks on control measures:

Is health surveillance required? No**Training requirements:** Good Laboratory Practices

Emergency procedures:

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

In case of skin contact In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

In case of eye Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

If swallowed If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Suitable extinguishing media

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special hazards arising from the substance or mixture

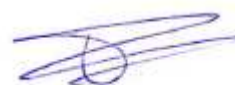
Nature of decomposition products not known.

Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

Further information No data available

Waste disposal:

Stock pot of reagent must be disposed of via the Safety Office – contact your lab manager to arrange collection.

Name and position of assessor: Tiphaine Bouriez-Jones, Lab Manager**Signature:****Name of supervisor (student work only):****Signature:****Name of head of department or nominee:****Signature:**