

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: TDI-072-COSHH
Date: May 2015

Department: NDM, TDI Persons involved: All Laboratory Staff

Location of work: Laboratories

Description of procedure: General lab reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Ammonium Persulfate CAS No: 7727-54-0	Various	Daily/Weekly	May intensify fire; oxidiser. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.	Eyes, mucous membranes, upper respiratory tract, skin

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: Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition
- No smoking. Keep away from heat and sources of ignition.

PPE: Wear suitable protective gloves/eye protection/face protection. Wear lab coat and handle in a fume hood.

Management measures: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Accidental release measures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal.

Checks on control measures:

Is health surveillance required? No

Training requirements: None

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. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

If Swallowed:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Firefighting measures: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Nitrogen Oxides (NOx) Sulphur Oxides, Container explosion may occur under fire conditions

Advice for Fire fighters: Wear self-contained breathing apparatus where possible

Other info: May intensify fire; oxidiser. Use water spray to cool unopened containers

Waste disposal:

Disposal: Dispose of any waste via the safety office, refer to local SOP and RA

Name and position of assessor: Andrea Keepence-Keyte, TDI Lab Manager

Signature:

Name of supervisor (student work only):

Signature:

Name of head of department or nominee:

Signature: