

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: DL
Dithiothreitol
Date: February 2016

Department: NDM, Persons involved: All Laboratory Staff

Location of work:
NDMRB Laboratories

Description of procedure: General lab reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
DL-Dithiothreitol CAS no 3483-12-3	Various	Daily/weekly	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	Eyes, skin, mucous membranes and upper respiratory tract

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?

Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking any breaks and at the end of the work day. Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust.

Engineering controls: Ensure adequate ventilation.

PPE: Wear suitable protective gloves/eye protection/face protection. Wear lab coat.

Management measures: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature 2 - 8 °C

Accidental release measures: Use PPE; Pick up and arrange disposal without creating dust. Evacuate personnel to safe areas. Sweep up and shovel. Keep in suitable, closed containers for disposal. Do not let product enter drains.

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

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Fire fighting measures: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, Sulphur oxides

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

Other info: use water spray to cool other 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: