

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-070-COSHH
Date: May 2015

Department: NDM, TDI	Persons involved: All TDI Laboratory Staff
Location of work:	TDI Laboratories

Description of procedure: Reducing agent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
Sodium Dodecyl Sulfate CAS No: 151-21-3	Various	Daily/Weekly	Flammable solid. Toxic in contact with skin. Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. Causes skin 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. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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.
Hygroscopic Storage class (TRGS 510): Flammable solid hazardous materials

Accidental release measures: Use PPE. 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. 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. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations.

Checks on control measures:

Is health surveillance required? No	Training requirements: None
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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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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: No data available

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 Keyte, Lab Manager

Signature:

Name of supervisor (student work only):

Signature:

Name of head of department or nominee:

Signature: