

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: May
Grunwald -COSHH
Date: February 2016

Department: NDM,
NDMRB

Persons involved: All NDMRB Laboratory Staff

Location of work:
NDMRB Laboratories

Description of procedure: Staining reagent

Substances used	Quantities used	Frequency of use	Hazards identified	Exposure route
May Grunwald 67-56-1	0.25 % (w/v) in methanol 1L bottle	Weekly	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H370 Causes damage to organs.	Inhalation 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: Use in fume hood only

PPE: Safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Management measures: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Methanol	67-56-1	TWA	200 ppm 260 mg/m3	Europe. Indicative occupational exposure limit values
	Remarks	Identifies the possibility of significant uptake through the skin Indicative		
		TWA	200 ppm 266 mg/m3	UK. EH40 WEL - Workplace Exposure Limits
		Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.		
		STEL	250 ppm 333 mg/m3	UK. EH40 WEL - Workplace Exposure Limits
		Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.		

Most important symptoms and effects, both acute and delayed: LDLO Oral - Human - 143 mg/kg (Methanol) Remarks: Lungs, Thorax, or Respiration: Dyspnoea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Methyl alcohol may be fatal or cause blindness if swallowed. (Methanol) Effects due to ingestion may include: Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures. (Methanol) Symptoms may be delayed., Damage of the:, Liver, Kidney (Methanol)

Accidental release measures: Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

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.

Checks on control measures:

LeV is visually checked regularly and air flow are inspected once a year as part of a servicing contract.

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. Take victim immediately to hospital. 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.

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

Special hazards arising from the substance or mixture: Carbon oxides

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

Further information

Use water spray to cool unopened containers.

Waste disposal:

Disposal:

May Grunwald is to be disposed of via the Safety Office only – contact your lab manager to arrange disposal.

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: