



## COSHH Assessment Form

This assessment **only addresses the risk of harm to health** from the substances listed. Additional risk assessments may be required to control the risk from other hazards associated with this work/the procedures used.

<b>Assessor (print) <sup>(1)</sup></b>  Graham Barker	<b>Employer/Supervisor <sup>(2)</sup></b>  Mobitech Lift Trucks
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<b>Assessment Date <sup>(3)</sup></b>  07/04/2020	<b>Dates reviewed <sup>(4)</sup></b>
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**HAZARDS IDENTIFIED**

\*If the substance has a R45 or R49 risk phrase or a H350 or H350i hazard statement, it must also be registered on your personal carcinogen return (at Occupational Health) *where exposure is not adequately controlled*.

<b>Substance <sup>(5)</sup></b>	<b>Hazardous Properties <sup>(6)</sup></b>	<b>Quantity <sup>(7)</sup></b>
	<i>(Provide details of how the substance could cause harm, e.g. harmful by inhalation, skin contact, flammable, carcinogen, allergen, etc)</i>	<i>(Indicate how much of the substance will be used)</i>
Bakers Fluid No.3	Causes burns Liquid will cause severe conjunctival irritation and corneal damage, chemical burns. Corrosion of mouth, throat and digestive tract, abdominal pain and nausea. Severe irritation of nose, throat and respiratory tract and possible lung damage.	As Per service and maintenance requirements

**Additional information <sup>(8)</sup>**

- **Workplace Exposure Limits:**  
Occupational Exposure Standards  
Ammonium Chloride UK EH40: OES 10mg/m<sup>3</sup> 8h TWA (fume). UK EH40: OES, STEL 20mg/m<sup>3</sup> 15min (fume).  
Tin UK EH40: OES 1.0mg/m<sup>3</sup> 8h TWA (fume). UK EH40: OES, STEL 2.0mg/m<sup>3</sup> 15min (fume).
- **R-phrases:**  
R22 Harmful if swallowed  
R34 Causes burns.  
R36 Irritating to eyes.
- **S-phrases:**  
S1/2 Keep locked up and out of reach of children.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



- H and P statements: Not Classified

### Emergency Procedures<sup>(9)</sup>

- **Eye contact:**  
Immediately flood eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.
- **Skin Contact:**  
Wash skin with soap and water. Remove contaminated clothing as washing proceeds. Obtain medical attention urgently.
- **Inhalation:**  
Remove from exposure. Keep warm and at rest. Obtain medical attention urgently.
- **Ingestion:**  
Wash out mouth with water. Have victim drink 1 - 3 glasses of water to dilute stomach contents. Do not induce vomiting. Obtain medical attention urgently.
- **Spill procedure:**  
Neutralise by careful addition of hydrated lime or soda ash. Finally flush area with plenty of water.

### What will the chemical be used for?

Solder joint cleaner

### Who may be exposed? <sup>(10)</sup>

Service Engineers / Stores Persons

## METHODS OF PREVENTION OR CONTROL OF EXPOSURE

(select all that apply by circling/ticking/highlighting the appropriate statement)

<p><b>1. Engineering controls required<sup>(11)</sup></b></p> <ul style="list-style-type: none"> <li>• total containment</li> <li>• fume cupboard</li> <li>• local exhaust ventilation</li> <li>• blast screen</li> </ul>	<p><b>2. Access control<sup>(12)</sup></b></p> <ul style="list-style-type: none"> <li>• Restricted to competent personnel</li> <li>• Special containment facility (give specific area): workshop environment only.</li> </ul>
<p><b>3. Special procedures<sup>(13)</sup></b></p> <ul style="list-style-type: none"> <li>• Standard Operating Procedure (SOP) required <input type="checkbox"/></li> <li>• Code of practice, local rules, etc</li> </ul>	<p><b>4. Approved PPE<sup>(14)</sup></b> ( Note: PPE is to be used as the 'last resort' when controlling exposure)</p> <ul style="list-style-type: none"> <li>• gloves etc (specify type) latex</li> <li>• eye protection (specify type) Type B safe Glasses</li> <li>• laboratory coat/overalls (specify type) company supplied</li> </ul>



**Disposal Procedures<sup>(15)</sup>** (Give details of waste disposal procedure to be used)

Are chemicals with risk phrases R50-R59 or hazard statements H400 – H413 (environmental Hazards) involved?

Yes / No

**DISPOSAL METHODS:**

Product Disposal:

Landfill after ensuring that material is no longer reactive and has been neutralised. This material will be classified as a 'special waste' under the COPA (Special Waste) Regulations 1996 and must be disposed of in accordance with those regulations.

Container Disposal:

Labels should not be removed from the containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care. Contaminated containers must not be re-used.

**ENVIRONMENTAL PRECAUTIONS:**

Try to prevent the material from entering drains or water courses. Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

**TRAINING REQUIREMENTS<sup>(16)</sup>**

(List any specialised training requirements before work can begin)

**As per engineer training and directions on product**

**HANDLING AND STORAGE REQUIREMENTS<sup>(17)</sup>**

(Note any special requirements e.g. ventilation, chemical incompatibility, flash point, etc)

**USAGE PRECAUTIONS:**

Use in well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use. Emergency shower and eye wash facilities should be readily available.

**STORAGE PRECAUTIONS:**

Storage area should be: Cool, dry, well ventilated, under cover. Store in original containers. Because of its corrosive nature, extreme care should be exercised in the choice of materials for pumps, gaskets and lines.

**ASSESSMENT OF RISK USING CONTROLS DETAILED ABOVE<sup>(18)</sup>**

(Are the hazards/risks suitably controlled, using the control measures detailed above? If not, state the further actions required, e.g. Requirement for a standard operating procedure (SOP), etc).

YES



**Authorisation by Employer/Supervisor<sup>19</sup>**

I confirm that I have considered and understand the chemical to be used and the associated hazards. I am satisfied that all of the hazards have been identified and that the control measures to be followed will reduce the risks to as low a level as reasonably practicable.

Sign: GRAHAM BARKER

Date:07.04.2020

**Declaration by Employer/Supervisor<sup>(20)</sup>**

I confirm that I have read this COSHH Assessment and that I understand the hazards and risks involved and will follow all of the safety procedures stated.

**Declaration by employee<sup>20</sup>**

I confirm that the employee who has signed below is competent to undertake the work. My counter-signature indicates that I am happy for the work to proceed.

Name (please print)	Signed	PI countersignature	date



**Guidance notes for COSHH assessment form**

This form must be completed for every hazardous chemical used within the company. The form must be signed by the employee and their employer/supervisor before the work starts.

- (1) **Assessor:** Insert the name of the person doing this assessment
- (2) **Employer/Supervisor** Insert the name of **the Employer/Supervisor**.
- (3) **Assessment Date:** Insert the date that the assessment form is completed. The assessment is valid for a maximum of 1 year. It must be reviewed after 1 year, or if a significant change occurs (change of lab, pregnancy, etc).
- (4) **Dates reviewed:** all COSHH assessments must be reviewed annually (as a minimum). The review date should be entered here, and signed by the assessor to confirm that the assessment is still valid.
- (5) **Substance:** insert name of the chemical to be used. NB. Biological hazards must not be assessed on this COSHH form.
- (6) **Hazardous properties:** insert details of all of the hazardous properties of the chemical – eg. Flammable, explosive, carcinogen, harmful by inhalation, etc).
- (7) **Quantity:** insert quantity to be used (mg, g, ml, etc)
- (8) **Additional information:** Include details of any additional information, including any workplace exposure limits. Detail fully all R/S phrases and H and P statements (it is not sufficient to simply stat R45, full details are needed).
- (9) **Emergency procedures:** provide full details of emergency procedures to be employed following contact with the chemical (skin contact, eye contact, inhalation and ingestion) – such as use of diphoterine, administration of emergency oxygen, etc. Also include details of emergency spill procedures.
- (10) **What will the chemical be used for? Who may be exposed? :** Insert title of experiment or experimental procedure that the chemical is to be used in, and detail who may be exposed (individual worker? People in close proximity? Cleaners? Engineers?).

**Methods of prevention or control of exposure**

Sections 11-14 detail the methods for preventing or controlling exposure to the chemical. The COSHH hierarchy of control measures should be used when determining the methods to be used to prevent/control exposure, with engineering and group control measures being employed in preference to individual measures (such as individual PPE).



- (11) **Engineering controls** required: identify the control measures necessary to prevent/control exposure, such as use of a fume cupboard, LEV or blast screen, by circling/ticking/highlighting the appropriate statement(s).
- (12) **Access control:** In order to prevent/control exposure, is it necessary to restrict access to competent personnel? Are special containment facilities required? Please circle/tick/highlight the appropriate statement(s).
- (13) **Special procedures:** please identify any special procedures necessary to prevent/control exposure. This might include the need for an SOP to be developed, or for local rules to be drawn up. Please circle/tick/highlight the appropriate statement(s).
- (14) **Approved PPE:** PPE is to be used as the 'last resort' when preventing/ controlling exposure. Please detail the PPE to be used when handling the chemical. Please circle/tick/highlight the appropriate statement(s) and include details of the type of gloves, etc to be used.
- (15) **Disposal procedures:** Identify whether the chemical is an environmental hazard; Detail fully how the chemical waste is to be disposed of (down sink, by specialist contractor, etc)
- (16) **Training requirements:** detail any specialised training requirements that must be met before the work can begin – eg. Attendance on a gas safety course, etc).
- (17) **Handling and storage requirements:** Note any special requirements e.g. ventilation, chemical incompatibility, flash point, etc.
- (18) **Assessment of risk using controls detailed above:** Are the hazards/risks suitably controlled, using the control measures detailed above? Provide details; If not controlled, state the further actions required, eg. Requirement for a standard operating procedure (SOP), etc.
- (19) **Authorisation by Employer/Supervisor:** the employer/supervisor must sign and date the assessment, to confirm that they have considered and understand the chemical to be used and the associated hazards, and that they are satisfied that all of the hazards have been identified and that the control measures to be followed will reduce the risks to as low a level as reasonably practicable.
- (20) **Declaration by employee:** the employee must sign and date the assessment to confirm that they have read the COSHH Assessment, understand the hazards and risks involved and will follow all of the safety procedures stated.
- (21) **Declaration by Employer/Supervisor:** the employer/supervisor must sign and date the assessment, to confirm that the researcher is competent to undertake the work.