

### Risk Assessment Form

Assessment number	Plastica COSHH 03
Location of work	Plastica
Process/Activity under assessment	Potential exposure from hazardous materials

#### Description of process/activity and operating conditions

Picking individually wrapped tablets by hand out of a drum and placing them into smaller containers.



All Water Treatment personnel carry out this activity and sometimes personnel from other departments.

#### People at risk

Office staff		Maintenance staff		Cleaning staff		Contractors	✓
Emergency services personnel		Water Treatment staff	✓	Visitors		Others	✓

#### Hazard identification

Identify the hazards, health effects and routes of entry

Substance/mixture	Workplace Exposure Limit (WEL)	Health effects	Routes of Exposure
005 Trichlor Tablets	Trichloroisocyanuric acid - WEL (short term) 0.5 ppm - WEL (short term) 1.5 mg/m3	<ul style="list-style-type: none"> <li>Harmful if swallowed.</li> <li>Causes serious eye irritation.</li> <li>May cause respiratory irritation.</li> </ul>	<ul style="list-style-type: none"> <li>Absorption through the skin and eyes.</li> <li>Ingestion.</li> <li>Inhalation.</li> </ul>
006 Multi-Pool Tablets	Trichloroisocyanuric acid - WEL (short term) 0.5 ppm - WEL (short term) 1.5 mg/m3	<ul style="list-style-type: none"> <li>Harmful if swallowed.</li> <li>Causes serious eye irritation.</li> <li>May cause respiratory irritation.</li> </ul>	<ul style="list-style-type: none"> <li>Absorption through the skin and eyes.</li> <li>Ingestion.</li> <li>Inhalation.</li> </ul>
026 Relax Oxygen Tablets	Potassium peroxymonosulphate - MEL / LTEL (respirable dust) 4 mg/m3 - MEL / LTEL (inhalable dust) 10 mg/m3	<ul style="list-style-type: none"> <li>Causes severe skin burns and eye damage.</li> </ul>	<ul style="list-style-type: none"> <li>Absorption through the skin and eyes.</li> <li>Ingestion.</li> <li>Inhalation.</li> </ul>
059 Scale and Metal Magnet	<ul style="list-style-type: none"> <li>No exposure limits</li> </ul>	<ul style="list-style-type: none"> <li>May cause irritation</li> </ul>	<ul style="list-style-type: none"> <li>Absorption through the skin and eyes.</li> <li>Ingestion.</li> <li>Inhalation.</li> </ul>

**Source of exposure**

Times/places/activity, specify agent and route of entry

Activity	Agent	Route of entry	Exposure time
Opening drums of individually wrapped tablets and putting them into smaller containers	All chemicals identified above	<ul style="list-style-type: none"> <li>Absorption through the skin and eyes.</li> <li>Ingestion.</li> <li>Inhalation of powder/dust.</li> </ul>	7 hours/day

**Evidence of contamination**

None

**Assessment of Risk**

Please complete the risk rating using the scoring key below: -

**(A) SEVERITY**

- 10 Fatal  
 5 Major injury/Serious damage  
 2 Minor injury/Minor damage  
 1 Negligible/Near miss

**(B) LIKELIHOOD OF OCCURRENCE**

- 20 Certain (Most likely to happen)  
 10 Likely (Not surprised if it happens)  
 5 Possible (Could happen sometime)  
 1 Remote (only a small chance it will happen)  
 0.5 Improbable (probability close to zero)

**(C) PEOPLE AFFECTED**

- 1 1-5 people affected  
 2 6-50 people affected  
 3 >50 people affected  
 3 Vulnerable people or the public affected

**RISK LEVEL**

- <10 Acceptable (A)  
 10-19 Low (L)  
 20-49 Medium (M)  
 >50 High (H)

Risk Rating					
Hazard	Severity A	Likelihood B	People affected C	Risk rating A x B x C	Risk Level H/M/L/A
Opening drums of individually wrapped tablets and putting them into smaller containers	5	1	2	10	L

**Engineering etc controls**

Guarding	LEV/Vapour Recovery Systems	Interlocks	Enclosure
Standard Operating Procedure (SOP) Work Instructions			
Permits to work N/A			
Other relevant information (monitoring/testing etc) Annual Health Questionnaire to be introduced			

## Personal Protective Equipment (PPE)

Eyes-face	✓	Hand-arm	✓	Feet-legs	✓	Respiratory	✓
Body		Hearing		Other (specify)			

**Specify when item(s) of PPE must be worn**  
The following PPE is required to be worn when handling the wrapped tablets:

- Safety boots.
- Disposable overalls.
- Disposable gloves.

The following PPE is required to be worn if the wrapping is damaged and the operator is exposed to the tablet:

- Approved chemical safety goggles.
- Safety boots.
- Disposable overalls.
- Disposable gloves.
- Disposable half mask FFP3 respirator to BS EN 149 (fit test required).

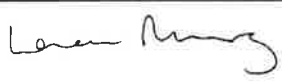
**Further Control Measures** (e.g. supervision, training requirements, special emergency procedures, health surveillance etc.)

Further Control Measures Required	Complete by (date)
<ul style="list-style-type: none"> <li>• Give information and instructions on the hazard exposure to all operators by making them aware of this assessment and by showing them the Safety Data Sheets where available.</li> <li>• Annual Health Questionnaire to be introduced.</li> <li>• Ensure face fit testing is carried out for each person for the half mask respirator.</li> </ul>	

**Additional information** (e.g. guidance documents, Approved Codes of Practice etc)

<http://www.hse.gov.uk/coshh>  
INDG136 'Working with substances hazardous to health: A brief guide to COSHH'  
INDG352 'Read the label'

**Assessment made by:**

Signature		Role	Regulatory Consultant, ChemRegs (UK) Ltd
Name	Lorna Murray	Date	17 December 2013

**Review of Risk Assessment:**

Date for Review	Carried out by	Role	Signature
November 2015	Ian Warne	Finance & Operations Director	