

Risk Assessment Form

Assessment number	Plastica COSHH 01
Location of work	Plastica
Process/Activity under assessment	Potential exposure from hazardous materials

Description of process/activity and operating conditions

Filling of liquid containers from IBCs



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
015 Spa and Hot Tub Flush	Sulphuric acid - WEL (long term) 0.05 mg/m ³ Orthophosphoric acid - WEL (short term) 2 mg/m ³ - WEL (long term) 1 mg/m ³	<ul style="list-style-type: none"> Causes severe skin burns and eye damage 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
025 Vinyl Polish Cleaner	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
028 Microcide and Algaecide	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
031 Algae Eliminator	Copper sulphate - WEL (short term) 2 mg/m ³ - WEL (long term) 1 mg/m ³	<ul style="list-style-type: none"> Causes skin irritation Causes serious eye damage 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
033 Summerlong and Winterlong	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.

Substance	Workplace Exposure Limit (WEL)	Health effects	Routes of Exposure
034 Relax Algicide	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
035 Concentrated Blue Algicide	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> Causes serious eye damage Causes skin irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
037 Standard Winterclean	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
038 Concentrated Winterclean	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> Causes serious eye damage Causes skin irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
044 Concentrated Clarifier	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
048 Tile & Liner Cleaner	Propan-2-ol - WEL (short term) 1250 mg/m ³ - WEL (long term) 999 mg/m ³ Orthophosphoric acid - WEL (short term) 2 mg/m ³ - WEL (long term) 1 mg/m ³	<ul style="list-style-type: none"> Causes severe skin burns and eye damage 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
052 Filter and Cartridge Concentrated Cleaner	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> Causes skin irritation Causes serious eye irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
056 Relax Stain and Scale Inhibitor	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> Causes skin irritation Causes serious eye irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
060 Relax Leak Sealer	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> Causes serious eye damage Causes skin irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
062 Spa No Foam	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
064 Sauna Fragrance	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> May cause irritation 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.
066 Spa Stain and Scale Inhibitor	<ul style="list-style-type: none"> No exposure limits 	<ul style="list-style-type: none"> Causes severe skin burns and eye damage 	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation.

Source of exposure

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

Activity	Agent	Route of entry	Exposure time
Filling containers from IBCs	All chemicals identified above	<ul style="list-style-type: none"> Absorption through the skin and eyes. Ingestion. Inhalation of spray/vapour. 	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
Filling containers from IBCs	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 filling liquids: <ul style="list-style-type: none"> • Approved chemical safety goggles. • Safety boots. • Disposable overalls/acid resistant gloves. 							

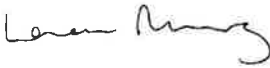
Further Control Measures (e.g. supervision, training requirements, special emergency procedures, health surveillance etc.)

Further Control Measures Required	Complete by (date)
<ul style="list-style-type: none"> • Ensure eye baths/wash are provided. • 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. • Annual Health Questionnaire to be introduced 	


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'
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Assessment made by:

Signature		Role	Regulatory Consultant, ChemRegs (UK) Ltd
Name	Lorna Murray	Date	06 November 2013

Review of Risk Assessment:

Date for Review	Carried out by	Role	Signature
November 2015	Ian Warne	Finance & Operations Director	
November 2016			