



Chemical Risk Assessment Form

Burplux Soda Company / James Collander / 4 Jan 2019

Complete

Score	0%	Failed items	2	Actions	0
Client / Site	Burplux Soda Company				
Location	Baltimore, MD				
Conducted on	4th Jan, 2019 1:59 PM PST				
Prepared by	James Collander				

Failed Items

2 failed

Audit / Hazard Identification / Add chemical in use / Chemical 1 / Risk Rating

Is the exposure adequately controlled?

No

Some containers do not have covers even if they are not being accessed.

Audit / Hazard Identification / Add chemical in use / Chemical 2 / Risk Rating

Is the exposure adequately controlled?

No

Some phosphoric acid batches are stored in used glycerol containers with incorrect labeling.

Audit

2 failed, 0%

Hazard Identification

2 failed, 0%

Add chemical in use

2 failed, 0%

Chemical 1

1 failed, 0%

Glycerol

State/Figure

Liquid

What is this used for?

Artificial Sweetener

Location of the process or work where the chemical is used

Production floor

People at Risk

Employees

Hazard

Harmful

Serious eye irritation

Flammable

Indicate below which route(s) of exposure the substance takes

Skin

Eyes

Ingestion

List the risks to health below from exposure to the substance

May cause eye irritation. allergic skin reaction, slipping if spilled on the floor, can be poisonous when large amounts are ingested.

Containment and Disposal

Containment measure and disposal method

Some containers do not have covers even if they are not being accessed. Small amounts are disposed of in sinks.

Prevention of Hazards

Prevention of Hazards

Workers wear safety goggles, gloves and protective clothing. However, some containers are exposed and chemical materials are exposed.

Photos of identified hazards and annotations.



Photo 1

Risk Rating

1 failed, 0%

Is the exposure adequately controlled?

No

Some containers do not have covers even if they are not being accessed.

Risk rating after following control measures

HIGH

Recommendations

Recommendations

Production managers should be strict with regards to exposed chemicals. All containers must be covered when not in use.

Chemical 2

1 failed, 0%

Phosphoric Acid

State/Figure

Liquid

What is this used for?

Food additive for flavor

Location of the process or work where the chemical is used

Production floor

People at Risk

Employees

Hazard

Acute Toxicity

Corrosive

Serious eye irritation

Indicate below which route(s) of exposure the substance takes

Skin

Eyes

Ingestion

List the risks to health below from exposure to the substance

Harmful if swallowed in large amounts. Causes severe skin burns and eye damage.

Containment and Disposal

Containment measure and disposal method

Some phosphoric acid batches are stored in used glycerol containers with incorrect labeling. Acid is usually diluted before disposal.

Prevention of Hazards

Prevention of Hazards

Protective gear for eyes, skin, and face are worn by workers. Some phosphoric acid batches are stored in used glycerol containers with incorrect labeling.

Photos of identified hazards and annotations.



Photo 2

Risk Rating

1 failed, 0%

Is the exposure adequately controlled?

No

Some phosphoric acid batches are stored in used glycerol containers with incorrect labeling.

Risk rating after following control measures

HIGH

Recommendations

Recommendations

Phosphoric acid must be kept in its original container with proper labeling. Incorrect labeling can cause chemical mix-ups and accidents.

Completion

Full Name and Signature of the Inspector



James Collander

4th Jan, 2019 2:00 PM PST

Appendix

Appendix



Photo 1



Photo 2