

Type of Incident	injury	Registration Date
personal accident	respiratory tract irritation	July 24, 2013

Basic Data			
Registration of incident			
Type of Incident	personal accident	Category of Incident	work accident
Registration No.	4	Registration Date	July 24, 2013
Revision-No.	11	Revision Date	October 30, 2013

Date, Time and Location of incident			
Date of incident	July 24, 2013	Time of incident	8:15:13 AM
Type of location	facility	Exact location	epoxy resin facility

Persons			
Executive Manager	Phone	eMail	Organisation & Department
Doris Day	01234/ 56789-4	doris.day@x-fabrik.de	x-fabrik AG, Safety & Protection
First Aider	Phone	eMail	Organisation & Department
Chris Common	01234/ 56789-2	chris.common@x-fabrik.de	x-fabrik AG, Safety & Protection
Supervisor/Auditor	Phone	eMail	Organisation & Department
Brigitte Best	01234/ 56789-1	brigitte.best@x-fabrik.de	x-fabrik AG, Safety & Protection
Axel Albus	01234/ 56789-0	axel.albus@x-fabrik.de	x-fabrik AG, Safety & Protection
Investigator/Specialists	Phone	eMail	Organisation & Department
IdaImpact	01234/ 56789-6	ida.impact@x-fabrik.de	x-fabrik AG, Safety & Protection
Affected Person	Phone	eMail	Organisation & Department
Fred Fire	01234/ 56789-7	fred.fire@x-fabrik.de	x-fabrik AG, Safety & Protection

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Description of the incident**The work accident with the following harms really happened:**

1. respiratory tract irritation (injury: lung (incl. airways) burn)
2. chemical burn of hand (injury: hand except fingers (metacarpus) cauterization)

Real impact of this incident:

- reportable work-accident (> 3 working days incapable to work).

Real Severity of this incident:

- S2: moderate injury.

Description of the incident on the basis of first impressions:**a) Course of Events:**

During the activity: <production of epoxy resin>
the scene: <cooling vessel C3> was the last completely controlled scene.
The subsequent scene: <opening valve C2> however deviated from the routine and led to
the uncontrolled scene: <acid flows in reaction vessel C2>. This scene directly led to:
the uncontrolled scene: <reaction vessel C2 filled up>. This scene directly led to:
the uncontrolled scene: <bursting disk breaks>. This scene directly led to:
the uncontrolled scene: <collecting vessel filled up>. This scene directly led to:
the uncontrolled scene: <blank flange breaks (sheet)>. This scene directly led to:
the uncontrolled scene: <caustic gas emanates>. This scene directly led to:
the injury: <respiratory tract irritation>.

b) Causes: Trigger:

- valve C2 confused with C3 (similar appearance) (Equipment: machine/ system/ tool/ utilities)

c) Causes: Aggravator:

- filter mask defect (Equipment: machine/ system/ tool/ utilities)

Immediate Measures:

Emergency measures taken to deal with the effects of this incident:
- immediate medical attention

Containment actions taken to prevent the recurrence of this incident:

- facility evacuated and locked

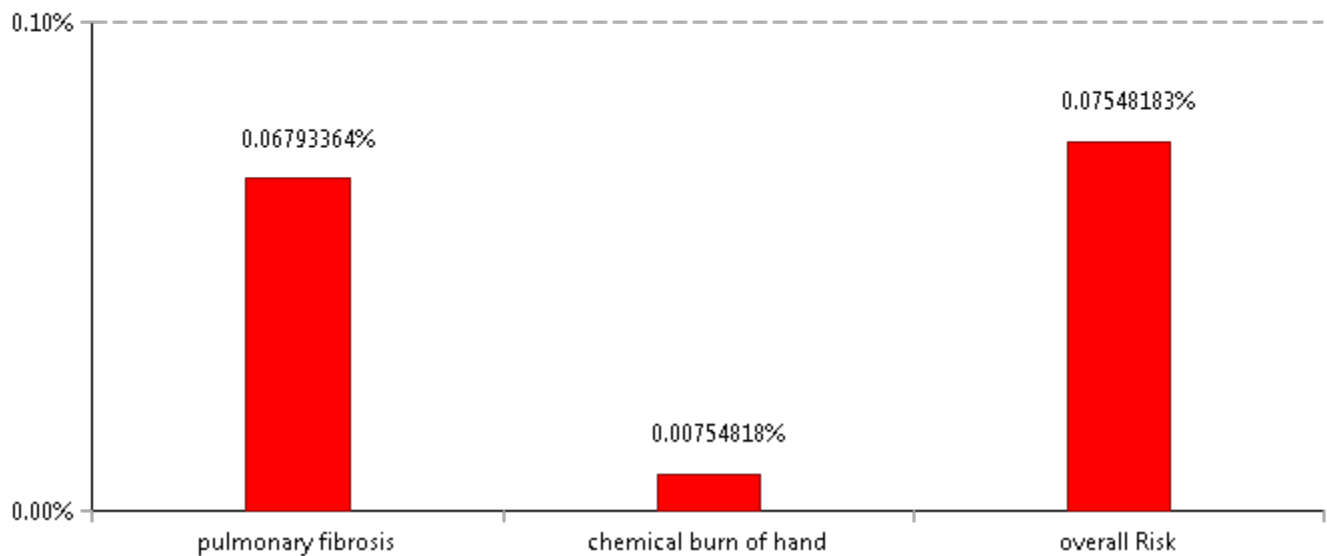
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Risk of the incident

Under similar circumstances the following work accident could happen in the worst case:

	Probability	Severity	Risk
pulmonary fibrosis	0.00000169%	90.00000000%	0.06793364%
chemical burn of hand	0.00000169%	10.00000000%	0.00754818%
overall result	0.00000169%	80.00000000%	0.07548183%

Recommended examination: Basic Analysis

Risks of the individual harms and the overall Risk

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Risk of the worst case of this incident and recommended examination

Probability of occurrence:	potential Severity in the worst case:							
	S0: no injury	S1: minor injury	S2: moderate injury	S3: grave injury	S4: death			
P10: nearly always								
P9: extremely often								
P8: very often								
P7: often								
P6: predominantly								
P5: partly/ partly								
P4: sometimes								
P3: seldom								
P2: very seldom								
P1: extremely seldom								
P0: nearly never								
	Basic Analysis							
Legend:	no further Analysis	Basic Analysis	Profile Analysis					
Risk of the worst case of this incident	0.07548183%							
Recommended examination	Basic Analysis							

Following departments will be informed:

Einheitenleiter, FK/A

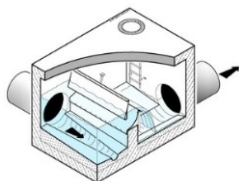
Following departments will be involved:

QMB der betroffenen Einheit

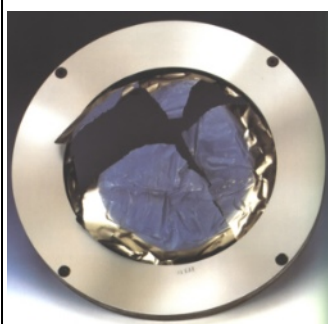
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Attachment**Course of events, 1. Scene: <cooling vessel C3>****Course of events, 2. Scene: <opening valve C2>****Course of events, 2. Scene: <opening valve C2>**

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Course of events, 4. Scene: <reaction vessel C2 filled up>



Course of events, 5. Scene: <bursting disk breaks>



Course of events, 8. Scene: <caustic gas emanates>



primary injury:<respiratory tract irritation>

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secondary injury:<chemical burn of hand>



Cause: trigger: <valve C2 confused with C3 (similar appearance)>



Cause: aggravator: <filter mask defect>