



ECTA CONFERENCE 2009



*Implementing the ECTA
Responsible Care Scheme in
the European Chemical Land
Transport Industry*



Risk assessment in SQAS

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Risk assessment



The heart/start of safe operations.





Risk assessment



The start ?



- How to get a driver's license without knowing the risks of traffic?
- How to buy adequate equipment without knowing the risks of products that we will transport?
- How to train our employees without knowing the risks that will occur during their work?
- How to know what medical examination is necessary without knowing the health risks of a job or product?
- How to know what PPE to use without knowing the risks of products that we will handle?



Risk assessment



The heart ?

- People change
- Products change
- Equipment changes
- Client requirements change
- Legislation changes



So risks will change also



Risk assessment



- Unloading speed and diameter of vapour return line did not co-relate
- Risk assessment was not done adequately





Risk assessment



- Container stack was too high
- Non adapted speed/actions
- Risk assessment was not done adequately





Risk assessment in SQAS



Question 2.1.1.1. to 2.1.1.4.

- Process to assess and document potentials SHE hazards and effects
- During start-up of new operations/activities
- During change of operations/activities
- On all products transported/handled
- Control/mitigate all risks



Welcome to Assessors section - Windows Internet Explorer

http://www.pharox.net/pls/portal30/ts.vv_index_user.show

SQAS Transport Service

Question	Score, % of YES
2.1.1.1a - start-up of new operations/activities (e.g. new prod	68%
2.1.1.1b - change of operations/activities (Management of Ch	69%
2.1.1.2. Has a Safety and Environmental review been carried transported and/or handled ?	72%
2.1.1.3. Has an Occupational Health Hazard review been can transported and/or handled ?	72%
2.1.1.4. Are measures taken to control/mitigate all identified	77%
Total Average :	71%

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Risk assessment in SQAS



Question 3.1.1.2. (Security)

- Regular review of the operations and an assessment of potential vulnerabilities
- Measures to reduce security risk



Welcome to Assessors section - Windows Internet Explorer

http://www.pharox.net/pls/portal30/ts.vv_index_user.show

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Welcome to Assessors section

SQAS Transport Service

Question	Score, % of YES
3.1.1.1. Has the company appointed a person with appropriate qualifications and competence, as a responsible person for security ?	87%
3.1.1.2a - a regular review of the operations and an assessment of potential vulnerabilities ?	65%
3.1.1.2b - measures to reduce security risk ?	78%
3.1.1.2c - reporting of and dealing with security threats, breaches of security, and security incidents ?	69%
3.1.1.2d - training ?	63%
3.1.1.3. Are the company security provisions evaluated, tested and reviewed on a yearly basis ?	45%
Total Average:	68%

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Done

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Risk assessment : How to do this right ?



Guidelines :

- Assessment system to identify and reduce risks
- Action plan
- Measurable over a period of time
- Risks towards : people, equipment, environment, product, (organisation)



Risk assessment : How to do this right ?



Guidelines :

- What are the hazards ?
- What can go wrong?
- What is the probability that something will go wrong?
- What is the potential impact?
- What measures should/can be taken ?



Risk assessment : How to do this right ?



Guidelines to score a « yes »:

- Documented system
- Repeated at regular intervals
- Also when a significant change in operations occurs or when a new project/product is handled/transported
- Appropriate measures to mitigate the risks



Risk assessment

What method to use ?



Any method can be used as long as the purpose is met!!!

- Riskmatrix
- Method of Fine & Kinney
- Checklist
- Methodology of « participation »



Risk-assessment-essentials[1].pdf - Adobe Reader

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7 / 29 150% Find

Workplace: (name of the workplace) Name of employee: (name of person working at the workplace)

No.	HAZARD	PREVENTIVE/PROTECTIVE MEASURES USED	RISK ESTIMATION/EVALUATION	ACTIONS PLANNED TO REDUCE RISK
1	2	3	4	5

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Risk assessment



Thank you for your attention and be aware :

- What is the chance that you fall asleep during the next presentations ?
- What is the severity, if you fall asleep?
- What could be the impact for you, your environment, your image, ... ?
- What can you do to prevent it?
- Do you want to prevent it?

