

**Model example: Assessment of chemical risks in a floor coating business**

ASSESSMENT OF RISKS CAUSED BY CHEMICAL FACTORS							
Business:		<i>Coating Experts PLC</i>		Date:			
				Signature:			
*SDS = Safety Data Sheet				Print name and job title/position:			
EXPOSURE AGENTS			EXPOSURE			CONCLUSIONS	
1. Chemical by trade name or other exposure agent occurring in the work	2. SDS* date	3. Hazardous properties (hazard statements in SDS section 2)	4. Job titles	5. Description of exposure and amount of use/work target/day	6. Implemented protective measures	7. Risk level: H: Respiratory tract I: Skin and eyes	8. Required additional measures: (date and person responsible)
<i>Urethane primer:</i>							
Teknodur A (polyol)	1 January 2010	R10, R20	all coaters	-Chance of spatter, evaporation during spreading - 1 kg/work target/day	Leather gloves	H: moderate I: moderate	More effective protective gloves; deploying nitrile rubber coated gloves and respirator TH3A2P
Teknodur B (curing agent)	1 January 2010	R10, R20, R37, R43	all coaters	-4 kg/work target/day -same usage method as above			
<i>Epoxy priming varnish:</i>							
Mastertop A (resin)	1 February 2011	GHS08 H315, H317	all coaters	-Chance of spatter, evaporation during spreading, wet gloves -8 kg/work target/day	Leather gloves	H: Moderate I: Substantial	More effective protective gloves, deploying nitrile rubber coated gloves and respirator TH3A2P immediately
Mastertop B (curing agent)	1 February 2011	GHS05 H302, H314, H317, H332	all coaters	-3 kg/work target/day -same usage method as above			
Normastic A (resin)	1 March 2012	GHS08 H315, H317	all coaters		same as above	same as above	same as above

Normastic B (curing agent)	1 March 2012	GHS05 H302, H314, H317, H332	all coaters		same as above	same as above	same as above
<i>Epoxy surface painting,</i>							
Epoxy dust		Irritates respiratory tract/skin ? (Not classified)	all coaters	dust spreading in air and onto skin during grinding, weekly to monthly	Disposable dust protection when necessary	Difficult to assess risk as exposure agent not classified?	-Contact occupational health services -Consider enhancing dust removal methods and respiration/skin protection
<i>Thinners:</i>							
Teknosolv	1 January 2005	GHS07 R10, R20/21, R37/38 R41, R51/53, R65	all coaters	-evaporates in air -random contact with hand, risk of spatter -1 l/person/day	Fume cupboard work Nitrile rubber gloves	H: moderate I: moderate	No additional measures.
OH solvent	1 February 2010	R10, R20/21, R37/38		-was previously in use, now only rarely	Nitrile rubber gloves	H: minor I: minor	No additional measures. Likely to be removed from list of chemicals.
<i>Detergents, etc.</i>							
Liquid pine soap	1 August 2006	No hazard classification	all coaters	-rarely used, washing the hands and tools occasionally	Rubber or plastic gloves	H: negligible I: minor	No additional measures.