

COSHH Essentials: Control Guidance Fact Sheets

COSHH Essentials has published many control guidance fact sheets. They can be purchased from the Health and Safety Executive (HSE) as a set or they can be downloaded as PDF files from the web. An index to COSHH Essentials' Control Guidance Sheets (Generic and Industry Specific) are found on the following pages.

Generic COSHH Essentials Control Guidance Sheets

The Generic COSHH Essentials model assigns intervention approaches ("control bands") to workplace tasks after the completion of a semi quantitative risk assessment. A combination of a substance's toxicity and its inhalation exposure potential determine the desired level of control. After you have completed this assessment on line you will be directed to the appropriate fact sheet. To download the Control Guidance Sheets related to Generic COSHH Essentials go to the website below and insert the "sheet number" in the space indicated. An index to these sheets is attached.

[http://www.coshh-essentials.org.uk/assets/live/ \(INSERT Sheet No.\).pdf](http://www.coshh-essentials.org.uk/assets/live/(INSERT Sheet No.).pdf)

Industry Specific Direct Advice Control Guidance Sheets

There are three (3) ways you can download the Control Guidance Sheets related to Specific Industries. To download the Control Guidance Sheets related to *Foundries, Flour milling/bakery, Motor Vehicle repair, Rubber making, Woodwork and Service & Retail* go to the website below and insert the "sheet number" in the space indicated. An index to these sheets is attached.

[http://www.coshh-essentials.org.uk/assets/live/ \(INSERT Sheet No.\).pdf](http://www.coshh-essentials.org.uk/assets/live/(INSERT Sheet No.).pdf)

Fact sheets related to these industries can also be downloaded by going to the COSHH Essentials home page <http://www.coshh-essentials.org.uk/> and going from "click here to get started" to "direct advice topics". You will be given the links to a list of production and service industries' fact sheets.

For COSHH Essentials' **newer** Industry Specific Direct Advice Fact sheets (*Printing, Machining with Metalworking fluids, Welding and the Silica Series*) you should go to the webpage <http://www.hse.gov.uk/pubns/guidance/index.htm>. An index to these sheets is attached.

To order a hard copy of **COSHH Essentials: Easy steps to control chemicals: Control of Substances Hazardous to Health Regulations** (2003) ISBN 0717627373 you can go to <http://www.hsebooks.com/Books/> or you can call 011 44 01787 881165. The set costs approximately \$60. There is also a shipping charge.

INDEX TO GENERIC COSHH ESSENTIALS CONTROL GUIDANCE SHEETS

- To download the PDF file insert the sheet number in the space indicated.
[http://www.coshh-essentials.org.uk/assets/live/ \(INSERT Sheet No.\).pdf](http://www.coshh-essentials.org.uk/assets/live/(INSERT Sheet No.).pdf)

Control Approach 1 General Ventilation		
Sheet No.	Unit Operation	Sheet title
G100	General tasks	General ventilation
G101	Storage	General storage
G102		Open bulk storage
G103	Dust extraction	Removing waste from dust extraction unit

Control Approach 2 Engineering Control		
Sheet No.(s)	Unit Operation	Sheet title
G200	General tasks	Local exhaust ventilation
G201		Fume cupboard
G202		Laminar flow booth
G203		Ventilated workbench
G101	Storage	General storage
G204	Dust extraction	Removing waste from dust extraction unit
G205	Transfer	Conveyor transfer
G206 or G207		Sack filling
G208		Sack emptying
G209		Filling kegs
G210		Charging reactors / mixers from a sack or keg
G211		IBC filling and emptying
G212		Drum filling
G213		Drum emptying (drum pump)
G202 or G214	Weighing	Weighing
G201, G215 G216 or G217	Mixing	Mixing
G218	Sieving	Sieving (+ filtering)
G219	Screening	Screening
G220 or G221	Surface coating	Spray painting
G222		Powder coating
G223	Lamination	Batch lamination
G224		Continuous lamination
G225 or G226	Dipping	Pickling bath
G227		Vapor degreasing bath
G228	Drying	Tray drying oven
G229		Continuous drying labyrinth oven
G230	Palletizing	Palletizing
G231		Tablet press

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Control Approach 3 Containment		
Sheet No.(s)	Unit Operation	Sheet title
G300	General tasks	Containment
G301		Glove box
G101	Storage	General storage
G204 or G302	Dust extraction	Removing waste from dust extraction unit
G303	Transfer	Transferring solids
G304		Sack emptying
G305		Drum filling
G306		Drum emptying
G210		Infrequent charging reactors / mixers from a sack or keg
G307 or G308		IBC filling and emptying
G309 or G310		Tanker filling and emptying
G311 or G213		Filling kegs
G312		Transferring liquid by pump
G301 or G313		Packet filling
G301 or G314		Bottle filling
G301, G315, or G316	Weighing	Weighing
G301, G317, or G318	Mixing	Mixing
G319	Surface coating	Robot spray booth
G320		Automated powder coating
G321	Dipping	Vapor degreasing bath
G322	Drying	Spray drying
G231	Palletizing	Tablet press

Control Approach 4 Special	
Sheet No	Title
G400	General principles

Control Approach S Chemicals causing harm by skin contact	
Sheet No	Title
S100	Skin or eye contact
S101	Selecting protective gloves
S102	Selecting personal protective equipment (PPE)
S200	Skin or eye contact

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- To download the PDF file insert the sheet number in the space indicated
<http://www.coshh-essentials.org.uk/assets/live/> (**INSERT Sheet No.**).pdf

Control Approach codes	
General ventilation	1
Engineering control (e.g. local exhaust ventilation)	2
Containment	3
Skin exposure control	S
Respiratory protective equipment as the main control.	R

Foundries		
Sheet No.	Sheet title (task)	Control Approach
FD01	Fume and general ventilation	1
FD02	Foundry fume from melting	2
FD03	Foundry fume when ladle pouring	R
FD04	Foundry dust – sand plant	2
FD05	Dust and vapor in smaller scale core-making / shell molding	2
FD06	Dust and fume in knock-out, shakeout and attrition	R
FD07	Dust when fettling smaller castings	2
FD08	Dust when fettling larger castings	R
FD09	Dust when shot-blasting smaller castings in a cabinet	3
FD10	Dust and fume when thermal cutting and gouging	R
FD11	Fume from pattern assembly (investment casting)	2
FD12	Mist and vapor – spray coating a large casting (open workshop)	R
FD13	Dust and sludge when cleaning dust collectors	R
FD14	Furnace Relining	2

Flour milling and craft bakery		
Sheet No.	Sheet title (task)	Control Approach
FL01	Bag opening and tipping, and dough mixing (craft bakery)	2
FL02	Weighing and handling flour improvers, etc (craft bakery)	2
FL03	Hand molding, dividing using a dough brake (craft bakery)	2
FL04	Stand-alone dust collectors (craft bakery)	2
FL05	'Immaterial lid' dust extraction - specification	2
FL06	Improvers (enzyme additives) in flour milling	R
FL07	Flour bagging (smaller flour mill)	2

Motor vehicle repair – isocyanate paints		
Sheet No.	Sheet title (task)	Control Approach
MR01	Isocyanate from mixing two-pack paint etc	1
MR02	Isocyanate – spraying two-pack products in a spray/bake booth	R
MR03	Isocyanate from cleaning two-pack paint spray guns	3
MR04	Isocyanate – brush or roller application of two-pack products	R
MR05	Isocyanate – small tasks (flatting, SMART repair, welding, etc)	R

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Rubber making		
Sheet No.	Sheet title (task)	Control Approach
RB01	Fume control and general ventilation	1
RB02	Dust from bag opening and weighing	2
RB03	Dust from mixing	2
RB04	Dust and fume from milling	2
RB05	Fume from rubber presses (smaller articles)	2
RB06	Fume from cooling racks for smaller articles	2
RB07	Fume from trimming and finishing smaller articles	2
Woodworking		
Sheet No.	Sheet title (task)	Control Approach
WD01	Band saws	2
WD02	Circular bench saws	2
WD03	Cross-cut saw	2
WD04	Vertical spindle molders	2
WD05	Overhead and CNC routers	2
WD06	Sanding machines	R
WD07	Hand-held sanding machines	R
WD08	Furniture assembly	R
WD09	Stand-alone dust collectors (occasional use)	2
Service & Retail		
Sheet No.	Sheet title (task)	Control Approach
SR01	Cleaning and disinfection using low-pressure washers	1
SR02	Diluting chemical concentrates	1
SR03	Fogging and misting using space sprayers	R
SR04	Manual cleaning and disinfecting surfaces	1
SR05	Dry cleaning using chlorinated solvent	3
SR06	Dry cleaning – spot cleaning	2
SR07	Ready-for-use insecticide sprays and dusts	1
SR08	Eradicating vermin (rats, etc)	1
SR09	Water treatments – concentrates and treated water	1
SR10	Embalming with formaldehyde solutions (formalin)	2
SR11	Hairdressing	1
SR12	Electrolysis, piercing and tattooing	1
SR13	Beauty salon – makeover, nails and depilatory services	1
SR14	Vehicle exhaust fume (in warehouses, garages, etc)	2
SR15	Exhaust fumes from moving vehicles	1
SR16	Work involving motor vehicle fuel (diesel, petrol, LPG)	1
SR17	Valeting and cleaning cars with solvent-based products	1
SR18	Charging batteries for electrically powered vehicles	1
SR19	Work with lubricants and waste oil	1
SR20	Soldering – fume from rosin-cored solder	2
SR21	Dust from abrasive wheels	2
SR22	Vapor from solvent-based adhesives (small scale work)	2
SR23	Degreasing with solvents (small scale)	1
SR24	Storing chemical products (small scale)	1
SR25	Smokes and fogs in nightclubs and small venues	1
SR26	Working with flowers, fruit and vegetables	1
SR27	Controlling cooking fumes	2

INDEX TO THE *NEWER* INDUSTRY SPECIFIC DIRECT ADVICE CONTROL GUIDANCE SHEETS

- For the guidance sheets listed below, go to <http://www.hse.gov.uk/pubns/guidance/index.htm> and download the fact sheets directly from the industry links.

Printing		
Sheet No.	Sheet title (task)	Ctrl Approach
P0	Advice for managers	
Litho		
P1	Manual film and plate development	1
P2	Automated film and plate development	3
P3	Ink mixing	1
P4	Printing with conventional inks	1
P5	Manual cleaning of presses (conventional inks)	1
P6	Automated cleaning of presses (conventional inks)	1
P7	Printing with UV-curable inks and coatings	2
P8	Manual cleaning of presses (UV-curable inks and coatings)	1
P9	Automated cleaning of presses (UV-curable inks and coatings)	1
P10	Printing with cold set inks	1
P11	Manual cleaning of presses (cold set inks)	1
P12	Automated cleaning of presses (cold-set inks)	1
P13	Printing with heat set inks	2
P14	Manual cleaning of presses (heat-set inks)	1
P15	Automated cleaning of presses (heat-set inks)	1
Screen		
P16	Using isocyanate-based adhesives in frame-making	1
P17	Stencil generation	1
P18	Ink mixing and color matching	1
P19	Printing with lower-volatility inks and rack drying	1
P20	Printing with higher-volatility inks and extracted rack drying	2
P21	High-volume printing with oven drying	2
P22	Printing with UV-curable inks	2
P23	Printing with isocyanate-based inks	2
P24	Manual screen reclamation	2
P25	Automated screen reclamation	3
Gravure		
P26	Ink mixing	2
P27	Printing	2
P28	On-press cleaning	2
P29	Manual off-press cleaning	2
P30	Automated off-press cleaning	3
Flexographic		
P31	Making photopolymer plates	2
P32	Mixing solvent-borne inks	2
P33	Printing with solvent-borne inks	2
P34	Mixing UV-curable inks	2
P35	Printing with UV-curable inks	2
P36	On-press cleaning	1
P37	Manual off-press cleaning	2
P38	Automated off-press cleaning	3

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<i>Ink jet</i>		
P39	Wide-format printing with solvent-borne inks	1
P40	Wide-format printing with UV-curable inks	2
P41	Grande-format printing	2
<i>Laminating</i>		
P42	Mixing and transferring isocyanate-based adhesives	2
P43	Using isocyanate-based adhesives	2
P44	Drying and curing isocyanate-based adhesives	2
<i>General</i>		
P45	Health surveillance for occupational dermatitis	4
P46	Health surveillance for occupational asthma	4
P47	Biological monitoring for isocyanates	4

Machining with metalworking fluids		
Sheet No.	Sheet title (task)	Control Approach
MW0	Advice for managers	
MW1	Mist control: inhalation risks	2
MW2	Fluid control: skin risks	S
MW3	Sump cleaning: water-mix fluids	S
MW4	Sump cleaning: neat oils	S
MW5	Managing sumps and bacterial contamination	4

Welding, hot-work and allied processes		
Sheet No.	Sheet title (task)	Control Approach
WL0	Advice for managers	
WL1	Workshop ventilation	1
WL2	Forced ventilation	2
WL3	Fixed extraction: Welding booth or downdraught bench	2
WL4	Moveable extraction: Fume hood on a flexible arm	2
WL5	Respiratory protective equipment (RPE)	R
WL6	RPE used with forced ventilation	R
WL7	RPE used with engineering controls	R
WL8	Oxy-gas welding and brazing	2
WL9	Manual metal arc (MMA) or stick welding	2
WL10	Metal inert gas (MIG) and metal active gas (MAG) welding	2
WL11	Tungsten inert gas (TIG) welding	1
WL12	Flux-cored arc (FCA) and metal-cored arc (MCA) welding	R
WL13	Resistance (spot) welding (fixed equipment)	1
WL14	Gas and oxy-gas cutting	2
WL15	Arc plasma cutting (fixed equipment)	2
WL16	Arc-air gouging (air-carbon arc gouging)	R
WL17	Soldering: hand-held with lead-based, rosin-cored solders	2
WL18	Surface preparation: pressure blasting (small items)	3
WL19	Surface preparation: pressure blasting (medium-sized items)	R
WL20	Surface preparation: pressure blasting (large items)	R
WL21	Weld cleaning with pickling paste	S
WL22	Expert advice	4

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Silica Series (also see Foundries under direct advice topics)**

Sheet No.	Sheet title (task)	Control Approach
Brick and Tile Making: Silica		
BK0	Advice for managers	
BK1	Clay milling	
BK2	Sand handling and screening	
BK3	Facing green bricks with sand	
BK4	Moving green and fired bricks	
BK5	Manual de hacking and batching	
BK6	Tile pressing	
BK7	Ventilated vehicle cabs	
Construction: Silica		
CN0	Advice for managers	
CN1	Concrete scabbling	
CN2	Chasing with hand-held power tools	
CN3	Drilling and coring with hand-held rotary power tools	
CN4	Crushing and screening	
CN5	Clearing and removing rubble	
CN6	Cutting paving and curb stones with rotary cutters	
CN7	Abrasive blasting	
CN8	Tunneling and shaft sinking	
CN9	Pneumatic breaker in poor ventilation (e.g. indoors)	
CN10	Cutting silica-fired composites	
CN11	Control cabins and vehicle cabs	
Ceramics: Silica		
CR0	Advice for managers	
CR1	Glaze and color preparation	
CR2	Casting	
CR3	Fettling	
CR4	Kiln Loading (placing) and unloading	
CR5	Spraying glazes and colors	
Manufacturing: Silica		
MN0	Advice for managers	
MN1	Making products that include silica flour	
MN1	Making products that include mineral powder	
MN1	Dry-mixing powders containing silica	
MN1	Small packaging operations: Dry products containing silica	
Quarries: Silica		
QY0	Advice for managers	
QY1	Making products that include silica flour	
QY2	Excavating and haulage	
QY3	Crushing	
QY4	Drying and cooling	
QY5	Dry screening	
QY6	Dry grinding	
QY7	Jumbo bag filling (500-1500 kg)	
QY8	Silica flour: small bag (15-50 kg) filling and transfer	
QY9	Mineral powders: small bag (15-50 kg) filling and transfer	
QY10	Cleaning up silica dust	
QY11	Control cabins and vehicle cabs	

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Slate Works: Silica		
SL0	Advice for managers	
SL1	Primary sawing	
SL2	Automated slate sawing	
SL3	Sawing slate into special sizes and shapes	
SL4	Manual slate splitting	
SL5	Dressing slate (edge beveling)	
Stonemasons: Silica		
ST0	Advice for managers	
ST1	Primary and Secondary Sawing	
ST2	Rotary Tools: Boring and polishing	
ST3	Hand-held rotary tools: Cutting and polishing	
ST4	Hand and pneumatic chiseling	