

08-Jul-09	ATIEL-ATC EXPOSURE SCENARIO INFORMATION IN DUCC FORMAT																																					
Code	Short ES title	Short description of process or activity	Use Descriptors						Life Cycle Stage(s)					Exposure Modifier				RMM																				
			Sector of use (SU)	Process Category (PROC)	Product category (PC)	Product Sub-category	Environmental Release Category (ERC)	SPERC	Article Category (AC)	Manufacture	Formulation	end use			Service Life	duration and frequency (exposure time)	Outdoor	Indoor		respiratory protection	Eye protection	Hand Protection																
											Industrial	Professional	Consumer				with LEV	without LEV																				
ATIEL-ATC Group A [i]	Industrial formulation of lubricant additives, lubricants and greases	Blending and Filling processes (closed / dedicated). Includes both bulk and small quantity additions	SU 10	PROC 3	PC 17, 24, 25	n/a	ERC 2	under development	n/a	x	x			na																								
		Blending and Filling processes (open / non dedicated). Includes addition of both bulk and small quantity additions		PROC 4, 5						x	x			n/a																								
		Sample collection of formulation		PROC 4, 5						x	x			n/a																								
		Sample collection of incoming raw materials		PROC 8b						x	x			n/a																								
		Bulk transfers by fixed pipe or flexible hose		PROC8b						x	x			n/a																								
		Small pack (drum/bag) transfers - dedicated facility.		PROC 8b						x	x			n/a																								
		Small pack (drum/bag) transfers - non dedicated facility.		PROC 8a						x	x			n/a																								
		Maintenance & cleaning		PROC 8b						x	x			n/a																								
		Top filling of bulk containers (road cars etc)		PROC8b						x	x			n/a																								
		Filling of drums and small packages		PROC 9						x	x			n/a																								
		QC & Laboratory		PROC 15						x	x			n/a																								
		ATIEL-ATC Group B [i]		General industrial use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines)						Initial factory fill from header tank; Lubricating Oil	SU 3	PROC 9	PC 17, 24	n/a									ERC 4, 7	under development	n/a		x			n/a								
										Initial factory fill by pouring from containers; Lubricating Oil		PROC 8b															x			n/a								
										Initial factory fill by injection of greases.		PROC 2, 9															x			n/a								
										Use as a lubricant/grease in a closed system		PROC 1															x			n/a								
Maintenance activities industrial settings. General exposure during maintenance work including draining, refilling and R&D (e.g. engine testing).	PROC 8b				x			n/a																														
Disposal of waste product & used containers	PROC 8b				x			n/a																														
ATIEL-ATC Group B [p]	General professional use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines)	Use as a lubricant/grease in a closed system	SU 22	PROC 1	PC 17, 24	n/a	ERC 9a, 9b	under development	n/a			x		n/a																								
		General exposure during maintenance work including draining, refilling.		PROC 8a, 8b, 20							x			n/a																								
		Disposal of waste product & used containers		PROC 8a, 8b							x			n/a																								
ATIEL-ATC Group B [c]	General consumer use of lubricants and greases in vehicles or machinery. Includes filling and draining of containers and enclosed machinery (including engines)	Use as a lubricant in a closed system, including filling, draining and maintenance	SU 21	n/a	PC 24	n/a	ERC 9a, 9b	n/a	n/a				x	n/a																								
ATIEL-ATC Group C [i]	(Industrial) Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways	Manual filling of lubricant container, i.e. bath or tank	SU 3	PROC 8b	PC 24	n/a	ERC 4	under development	n/a		x			n/a																								
		Automated filling of lubricant container, i.e. bath or tank		PROC 8b, 9							x			n/a																								
		Automated roller application or brushing of coatings		PROC 10							x			n/a																								
		Spraying onto equipment or article		PROC 7							x			n/a																								
		Treatment of articles by dipping and pouring		PROC 13							x			n/a																								
		Draining, maintenance & cleaning of equipment		PROC 8b							x			n/a																								
ATIEL-ATC Group C [p]	(Professional) Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways	Manual filling of lubricant container, i.e. bath or tank	SU 22	PROC 8a	PC 24	n/a	ERC 8a, 8d	under development	n/a			x		n/a																								
		Roller application or brushing of coatings		PROC 10							x			n/a																								
		Spraying onto equipment or article		PROC 11							x			n/a																								
		Treatment of articles by dipping and pouring		PROC 13							x			n/a																								
		Draining, maintenance & cleaning of equipment		PROC 8a							x			n/a																								
ATIEL-ATC Group C [c]	(Consumer) Application of lubricant to work pieces or equipment by dipping, brushing or spraying (without exposure to heat), e.g. mould releases, corrosion protection, slideways	Use as a lubricant in an open system, e.g. penetrating lubricants/greases	SU 21	n/a	PC 24	n/a	ERC 8a, 8d	n/a	n/a				x	n/a																								
ATIEL-ATC Group D [i]	(Industrial) Use of lubricants in open high temperature processes, e.g. quenching fluids, glass release agents	Fill bath with fluid by pumping from drum or large container	SU 3	PROC 8b	PC 24, 25	n/a	ERC 4	under development	n/a		x			n/a																								
		Dip hot metal workpiece into fluid in closed booth		PROC 13							x			n/a																								
		Dip hot metal workpiece into fluid in open vat		PROC 13							x			n/a																								
		Remove spent/contaminated fluid from tank		PROC 8b							x			n/a																								
		Treat and dispose spent fluid		PROC 8b							x			n/a																								
ATIEL-ATC Group E [i]	(Industrial) Handling and dilution of metalworking fluid concentrates	Add concentrate to water tank by pouring from small container	SU 3	PROC 5, 8b	PC 25	n/a	ERC 2	under development	n/a	x	x			n/a																								
		Add concentrate to water tank by pumping from drum or tank via mixer		PROC 5, 8b						x	x			n/a																								
		Sample the solution to test concentration		PROC 8b						x	x			n/a																								

under development

