

#	PROC	Industrial												Professional											
		Solids						Volatiles						Solids						Volatiles					
		low	LEV	med	LEV	high	LEV	low	LEV	med	LEV	high	LEV	low	LEV	med	LEV	high	LEV	low	LEV	med	LEV	high	LEV
1	1	0.01	0%	0.01	0%	0.01	0%	0.01	0%	0.01	0%	0.01	0%	0.01	80%	1	80%	5	80%	5	80%	20	80%	50	80%
2	2	0.01	90%	0.5	90%	1	90%	1	90%	10	90%	50	90%	0.01	80%	1	80%	5	80%	5	80%	20	80%	50	80%
3	3	0.1	90%	1	90%	1	90%	3	90%	25	90%	100	90%	0.1	80%	1	80%	5	80%	3	80%	25	80%	100	80%
4	4	0.5	90%	5	90%	25	90%	5	90%	20	90%	100	90%	1	80%	5	80%	50	80%	10	80%	50	80%	250	80%
5	5	0.5	90%	5	90%	25	90%	5	90%	50	90%	250	90%	1	80%	5	80%	50	80%	10	80%	100	80%	500	80%
6	6	0.1	90%	5	90%	25	90%	5	90%	50	90%	250	90%	1	80%	5	80%	50	80%	10	80%	100	80%	500	80%
7	7	1	95%	20	95%	100	95%	100	95%	250	95%	500	95%												
8	8a	0.5	90%	5	90%	50	90%	10	90%	50	90%	250	90%	0.5	80%	5	80%	50	80%	25	80%	100	80%	500	80%
9	8b	0.1	95%	5	95%	25	95%	5	97%	50	97%	150	97%	0.5	80%	5	80%	50	80%	10	90%	50	90%	250	90%
10	9	0.1	90%	5	90%	20	90%	5	90%	50	90%	200	90%	0.5	80%	5	80%	20	80%	10	80%	100	80%	250	80%
11	10	0.5	90%	5	90%	10	90%	10	90%	50	90%	250	90%	0.5	80%	5	80%	10	80%	25	80%	100	80%	500	80%
12	11													1	80%	20	80%	200	80%	100	80%	500	80%	1000	80%
13	12							2	80%	20	80%	100	80%							10	80%	100	80%	500	80%
14	13	0.1	90%	1	90%	5	90%	10	90%	50	90%	250	90%	0.5	80%	5	80%	5	80%	10	80%	100	80%	250	80%
15	14	0.1	90%	1	90%	10	90%	5	90%	50	90%	250	90%	1	80%	5	80%	50	80%	10	80%	100	80%	500	80%
16	15	0.1	90%	0.5	90%	5	90%	5	90%	10	90%	50	90%	0.1	80%	0.5	80%	5	80%	5	80%	10	80%	50	80%
17	16	0.1	90%	5	90%	10	90%	1	90%	5	90%	25	90%	5	80%	20	80%	50	80%	1	80%	10	80%	50	80%
18	17	1	95%	20	95%	50	95%	20	95%	50	95%	100	95%	10	90%	50	90%	200	90%	50	90%	200	90%	500	90%
19	18	1	95%	20	95%	50	95%	20	95%	50	95%	100	95%	5	90%	50	90%	200	90%	50	90%	200	90%	500	90%
20	19	0.5	90%	5	90%	25	90%	10	90%	50	90%	250	90%	0.5	80%	5	80%	50	80%	25	80%	100	80%	500	80%
21	20													0.01	80%	1	80%	5	80%	5	80%	20	80%	50	80%
22	21	0.5	90%		90%		90%							0.5	80%		80%								
23	22	1	90%	3.5	90%	7	90%							1	0%	5	0%	10	0%						
24	23	0.5	90%	1.5	90%	2	90%							0.5	80%	1.5	80%	5	80%						
25	24	2	80%	3	80%	5.5	80%							2	75%	3	75%	5.5	75%						
26	25	0.5	90%	1	90%	2	90%							1	80%	2	80%	4	80%						
27	26	1.5	0%	4	0%	10	0%							3	0%	8	0%	20	0%						
28	27a	1	0%	3	0%	5	0%																		
29	27b	0.1	0%	0.5	0%	2.5	0%																		

Legend for background colours

White Original ECETOC TRA defaults

Grey Not applicable

Green EBRC (2009) proposed values (partly modified, further modified (comparing to version 0.9.04), see documentation)

Yellow Values based on expert judgement (for recently established PROCs)

PROC / Physical form	Massive object	Solid, low dustiness	Solid, medium dustiness	Solid, high dustiness	Aqueous solution	Liquid	Gaseous
1 - Use in closed process, no likelihood of exposure	X	X	X	X	X	X	X
2 - Use in closed, continuous process with occasional controlled exposure	X	X	X	X	X	X	X
3 - Use in closed batch process (synthesis or formulation)	X	X	X	X	X	X	X
4 - Use in batch and other process (synthesis) where opportunity for exposure arises	X	X	X	X	X	X	X
5 - Mixing or blending in batch processes for formulation of preparation and articles	X	X	X	X	X	X	X
6 - Calendering operations	X	X	X	X	O	O	O
7 - Industrial spraying	O	X	X	X	X	X	X
8a - Transfer of subst. or prep. from/to vessels/large containers at non-dedicated facilities	A	B	B	B	X	X	X
8b - Transfer of subst. or prep. from/to vessels/large containers at dedicated facilities	A	B	B	B	X	X	X
9 - Transfer of subst. or prep. into small containers (dedicated filling line, including weighing)	A	B	B	B	X	X	X
10 - Roller application or brushing	O	X	X	X	X	X	O
11 - Non industrial spraying	O	X	X	X	X	X	X
12 - Use of blowing agents in manufacture of foam	O	O	O	O	X	X	X
13 - Treatment of articles by dipping and pouring	X	X	X	X	X	X	O
14 - Production of preparations or articles by tableting, compression, extrusion, pelletisation	X	X	X	X	X	X	O
15 - Use as laboratory reagent	X	X	X	X	X	X	X
16 - Using material as fuel sources, limited exposure to unburned product to be expected	X	X	X	X	X	X	X
17 - Lubrication at high energy conditions and in partly open process	O	X	X	X	X	X	O
18 - Greasing at high energy conditions	O	X	X	X	X	X	O
19 - Hand-mixing with intimate contact and only PPE available	O	X	X	X	X	X	O
20 - Heat and pressure transfer fluids in dispersive, professional use but closed systems	O	O	O	O	X	X	O
21 - Low energy manipulation of substances bound in materials and/or articles	X	X	O	O	O	O	O
22 - Potentially closed processing operations with minerals/metals at elevated temperature	X	X	X	X	O	O	O
23 - Open processing and transfer operations with minerals/metals at elevated temperature	X	X	X	X	O	O	O
24 - High (mechanical) energy work-up of substances bound in materials and/or articles	X	X	X	X	O	O	O
25 - Other hot work operations with metals	X	X	X	X	O	O	O
26 - Handling of solid inorganic substances at ambient temperature	O	X	X	X	O	O	O
27a - Production of metal powders (hot processes)	X	X	X	X	O	O	O
27b - Production of metal powders (wet processes)	X	X	X	X	X	X	O

Legend

X	Combination of physical form and PROC is covered in MEASE
O	Combination of physical form and PROC is not covered in MEASE
A	Combination of physical form and PROC is covered in MEASE, but PROC 21 could considered as being more appropriate
B	Combination of physical form and PROC is covered in MEASE, but PROC 26 could considered as being more appropriate

Scale of operation
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Legend

B	PROC is applicable to industrial and professional uses
I	PROC is only applicable to industrial uses
P	PROC is only applicable to professional uses