

ESIG/ESVOC GES Titles & Use Descriptor mapping (Consolidated 20/05/2010)					Dimethylesters	Diisobutyl esters
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GES Reference	GES Title	Area of Application / UD	Draft GES scope / definition	Applicable Use Descriptors (PROC or PC)	Applicable Use Descriptors (ERC) Note: ERCs listed in brackets may also be appropriate	Applicable Use Descriptors (ERC) Note: ERCs listed in brackets may also be appropriate
General Titles					Env group to add statement on use of SPERCs	Env group to add statement on use of SPERCs
1	Manufacture of substance	Industrial (SU3, SU8, SU9, SU23)	Manufacture of the substance or use as an intermediate or process chemical or extraction agent. Includes recycling/ recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk container), sampling and associated laboratory activities	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15	a. Manufacture of substance or use as a process chemical: ERC1 (ERC4)	yes
		Professional (SU22)	not applicable			
		Consumer (SU21)	not applicable			
1A	Distribution of substance	Industrial (SU3, SU8, SU9)	Loading (including marine vessel/barge, rail/road car and IBC loading) and repacking (including drums and small packs) of substance, including its sampling, storage, unloading distribution and associated laboratory activities	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15	ERC1 (loading) ERC2 (repacking)	

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		Professional (SU22)	not applicable			
		Consumer (SU21)	not applicable			
1B	Use as intermediate	Manufacture of substances: Industrial (SU8, SU9)	Use as a isolated intermediate not under strictly controlled condtions	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15	ERC 6a - Industrial use as intermediates	
2	Formulation & (re)packing of substances and mixtures	Industrial (SU10)	Formulation, packing and re-packing of the substance and its mixtures in batch or continuous operations, including storage, materials transfers, mixing, tableting, compression, pelletisation, extrusion, large and small scale packing, sampling, maintenance and associated laboratory activities	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC14, PROC15	ERC2	yes
		Professional (SU22)	not applicable			
		Consumer (SU21)	not applicable			
Identified Solvent Titles (ESVOC)						
3	Uses in Coatings	Industrial (SU3)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, spreader, dip, flow, fluidised bed on production lines and film formation) and equipment cleaning, maintenance and associated laboratory activities.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15	ERC 4	yes

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		Professional (SU22)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods, and film formation), and equipment cleaning, maintenance and associated laboratory activities.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19	ERC5, ERC 8A, ERC 8D (ERC8C, ERC8F)	yes
		Consumer (SU21)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including product transfer and preparation, application by brush, spray by hand or similar methods) and equipment cleaning.	PC1, PC4, PC5, PC6, PC8 (excipient only) PC9, PC10, PC15, PC18, PC23, PC24, PC30, PC31, PC34	ERC 8A, ERC 8D (ERC8C, ERC8F)	yes
4	Use in Cleaning Agents	Industrial (SU3)	Covers the use as a component of cleaning products including transfer from storage, pouring/unloading from drums or containers. Exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping, automated and by hand), related equipment cleaning and maintenance. Including paint strippers	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15	ERC4	yes
		Professional (SU22)	Covers the use as a component of cleaning products including pouring/unloading from drums or containers; and exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping automated and by hand).Including paint strippers	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13	ERC 8A, ERC 8D	yes

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		Consumer (SU21)	Covers general exposures to consumers arising from the use of household products sold as washing and cleaning products, aerosols, coatings, de-icers, lubricants and air care products. Including paint strippers	PC3, PC4, PC9, PC24, PC35, PC38	ERC 8A, ERC 8D, ERC 8F	yes
5	Use in Oil and Gas field drilling and production operations	Industrial (SU3)	Oil field well drilling and production operations (including drilling muds and well cleaning) including material transfers, on-site formulation, well head operations, shaker room activities and related maintenance.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC 4	
		Professional (SU22)	Oil field well drilling operations (including drilling muds and well cleaning) including material transfers, on-site formulation, well head operations, shaker room activities and related maintenance.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC 8D	
		Consumer (SU21)	not applicable			
6	Lubricants	Industrial (SU3)	Covers the use of formulated lubricants in closed and open systems including transfer operations, operation of machinery/engines and similar articles, reworking on reject articles, equipment maintenance and disposal of wastes.	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17, PROC18	ERC 7, ERC 4	yes

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		Professional (SU22)	Covers the use of formulated lubricants in closed and open systems including transfer operations, operation of engines and similar articles, reworking on reject articles, equipment maintenance and disposal of waste oil.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17, PROC18, PROC20	ERC 8A, ERC 8D ERC 9A, ERC 9B	
		Consumer (SU21)	Covers the consumer use of formulated lubricants in closed and open systems including transfer operations, application, operation of engines and similar articles, equipment maintenance and disposal of waste oil.	PC1, PC6, PC24, PC31	ERC 8A, ERC 8D ERC 9A, ERC 9B	
7	Metal working fluids / rolling oils	Industrial (SU3)	Covers the use in formulated MWFs/rolling oils including transfer operations, rolling and annealing activities, cutting/machining activities, automated and manual application of corrosion protections (including brushing, dipping and spraying), equipment maintenance, draining and disposal of waste oils.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17, PROC20, PROC24	ERC 4, ERC 5	yes
		Professional (SU22)	Covers the use in formulated MWFs including transfer operations, open and contained cutting/machining activities, automated and manual application of corrosion protections, draining and working on contaminated/ reject articles, and disposal of waste oils.	PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC17, PROC20	ERC 8A (ERC9A)	
		Consumer (SU21)	not applicable			
9	Blowing agents	Industrial (SU3)	Use as a blowing agent for rigid and flexible foams, including material transfers, mixing and injection, curing, cutting, storage and packing	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8b, PROC9, PROC12	ERC 3, ERC 4, ERC6D	

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		Professional (SU22)	not applicable			
		Consumer (SU21)	not applicable			
10	Use as binders and release agents	Industrial (SU3)	Covers the use as binders and release agents including material transfers, mixing, application (including spraying and brushing), mould forming and casting, and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC6, PROC7, PROC8b, PROC10, PROC13, PROC14	ERC4 (ERC5)	
		Professional (SU22)	Covers the use as binders and release agents including material transfers, mixing, application by spraying, brushing, and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC6, PROC 8a, PROC8b, PROC10, PROC11, PROC14	ERC 8A; ERC 8D (ERC8B, 8C, 8E, 8F)	
		Consumer (SU21)	not applicable			
11	Use in Agrochemicals uses-	Industrial (SU3)	not applicable			
		Professional (SU22)	Use as an agrochemical excipient for application by manual or machine spraying, smokes and fogging; including equipment clean-downs and disposal.	PROC1, PROC2, PROC4, PROC8a, PROC8b, PROC11, PROC13	ERC8A, ERC 8D, ERC10A, ERC10B	yes
		Consumer (SU21)	Covers the consumer use in agrochemicals in liquid and solid forms.	PC12, PC22, PC27	ERC8A, ERC 8D, ERC10A, ERC10B	
12	Use as a fuel	Industrial (SU3)	Covers the use as a fuel (or fuel additive) and includes activities associated with its transfer, use, equipment maintenance and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC16	ERC7 (ERC8B), ERC8E	
		Professional (SU22)	Covers the use as a fuel (or fuel additive) and includes activities associated with its transfer, use, equipment maintenance and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC16	ERC9A; ERC9B (ERC 8B, ERC 8E)	
		Consumer (SU21)	Covers consumer uses in liquid fuels	PC13	ERC9A; ERC9B (ERC 8B, ERC 8E)	

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13	Functional Fluids	Industrial (SU3)	Use as functional fluids e.g. cable oils, transfer oils, coolants, insulators, refrigerants, hydraulic fluids in industrial equipment including maintenance and related material transfers	PROC1, PROC2, PROC3, PROC4, PROC 8a, PROC 8b, PROC9	ERC 7	
		Professional (SU22)	Use as functional fluids e.g. cable oils, transfer oils, coolants, insulators, refrigerants, hydraulic fluids in professional equipment including maintenance and related material transfers.	PROC1, PROC2, PROC3, PROC 8a, PROC9, PROC20	ERC 9A, ERC 9B	
		Consumer (SU21)	Use of sealed items containing functional fluids e.g. transfer oils, hydraulic fluids, refrigerants	PC16, PC17	ERC 9A, ERC 9B	
14	De-icing and anti-icing applications	Industrial (SU3)	not applicable			
		Professional (SU22)	Ice prevention and de-icing of vehicles, aircraft and other equipment by spraying	PROC1, PROC2, PROC8a, PROC8b, PROC11	ERC 8D	
		Consumer (SU21)	De-icing of vehicles and similar equipment by spraying	PC4	ERC 8D	
15	Road and construction applications	Industrial (SU3)	not applicable .. Refers to bitumen blending. Covered under 'Formulation'			
		Professional (SU22)	Application of surface coatings and binders in road and construction activities, including paving uses, manual mastic and in the application of roofing and water-proofing membranes	PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13	ERC8D (ERC8F)	
		Consumer (SU21)	not applicable			

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16	Other Consumer Uses	Consumer (SU21)	Consumer uses not covered in consumer examples listed above e.g. use as a carrier in cosmetics/personal care products, perfumes and fragrances.	PC3, PC28, PC39 Note: For cosmetic and personal care products, risk assessment only required for the environment under REACH as human health is covered by alternative legislation.	ERC 8A, ERC 8D, ERC 11A, ERC11B	yes
17	Use in laboratories	Industrial (SU3)	Use of the substance within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC2 (ERC4)	
		Professional (SU22)	Use of small quantities within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC 8A	
		Consumer (SU21)	not applicable			
18	Polymer production	Industrial (SU10)	Manufacture of polymers from monom	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC14, PROC21	ERC6A. ERC6C	
CONCAWE Titles (additional to ESVOC)						
18	Explosives manufacture & use	Industrial (SU3)	Not applicable - Covered under Formulation			
		Professional (SU22)	Covers exposures arising from the manufacture and use of slurry explosives (including materials transfer, mixing and charging) and equipment cleaning	PROC1, PROC3, PROC5, PROC8a, PROC8b	ERC 8D	
		Consumer (SU21)	not applicable			

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19	Rubber production and processing	Industrial (SU3, SU10)	Manufacture of tyres and general rubber articles, including processing of raw (uncured) rubber, handling and mixing of rubber additives, vulcanising, cooling and finishing.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC13, PROC14, PROC15, PROC21	ERC1; ERC4 (ERC3; ERC 6D)	
		Professional (SU22)	not applicable			
		Consumer (SU21)	not applicable			
Other Tentative Titles (ATIEL, polymers, etc.)						
23	Polymer processing	Industrial (SU10)	Processing of formulated polymers including material transfers, additives handling (e.g. pigments, stabilisers, fillers, plasticisers, etc.), moulding, curing and forming activities, material re-works, storage and associated maintenance.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC13, PROC14, PROC21	ERC4, ERC3, (ERC5, ERC6D), ERC6C	
		Professional (SU22)	Processing of formulated polymers including material transfers, moulding and forming activities, material re-works and associated maintenance.	PROC1, PROC2, PROC6, PROC8a, PROC8b, PROC14, PROC21	ERC 8A (ERC8C, 8D, 8F)	
		Consumer (SU21)	not applicable			
Other Possible Titles						
21	Water treatment chemicals	Industrial (SU3)	Covers the use of the substance for the treatment of water at industrial facilities in open and closed systems	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13	ERC3 (ERC4)	
		Professional (SU22)	Covers the use of the substance for the treatment of water in open and closed systems	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13	ERC8F (ERC8A, 8B, 8C, 8D, 8E)	

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		Consumer (SU21)	Covers the use of the substance for the treatment of water in open and closed systems	PC20, PC36, PC37	ERC8F (ERC8A, 8B, 8C, 8D, 8E)	
22	Mining chemicals	Industrial (SU3)	Covers the use of the substance in extraction processes at mining operations, including material transfers, winning and separation activities, and substance recovery and disposal.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9	ERC4 (ERC 8D)	
		Professional (SU22)	not applicable			
		Consumer (SU21)	not applicable			