

Uses - DEGBE

May/16

Butyl DiGlycol Ether
CAS 112-34-5
EC 203-961-6

Exposure Scenario Title	Sector of Use	Scope / Definition	Applicable Use Descriptors (PROC or PC)	Applicable Use Descriptors (ERC)
ES 01: Manufacture of substance	Industrial (SU3)	Manufacture of the substance. 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, PROC8a, PROC8b, PROC15	ERC 1
ES 02: Formulation & (re)packing of substances and mixtures	Industrial (SU3, SU10)	Formulation, packing and re-packing of the substance and its mixtures in batch or continuous operations, including storage, materials transfers, mixing, large and small scale packing, maintenance and associated laboratory activities	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15	ERC2
ES 03: Distribution of substance	Industrial (SU3)	Loading (including marine vessel/barge, rail/road car and IBC loading) and repacking (including drums and small packs) of substance, including its distribution and associated laboratory activities	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15	ERC2
ES 04: 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, PROC9, PROC10, PROC13, PROC15	ERC 4
ES 05: Uses in Coatings	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	ERC 8A, ERC 8D
ES 06: Uses in Coatings	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.	PC9a	ERC 8A, ERC 8D
ES 07: 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.	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13	ERC 4
ES 08: Use in Cleaning Agents	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).	PROC2, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13	ERC 8A, ERC 8D
ES 09: Use in Cleaning Agents	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.	PC35	ERC 8A, ERC 8D
ES 10: 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.	PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC17	ERC 4
ES 11: Metal working fluids / rolling oils	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.	PROC2, PROC3, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC17, PROC19	ERC 8A
ES 12: Mining chemicals	Industrial (SU3)	Mineral ore processing operations	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9	ERC 4
ES 13: Use in 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, PROC3, PROC4, PROC7, PROC 8a, PROC 8b, PROC9, PROC10, PROC13, PROC17, PROC18	ERC 4, ERC 7

ES 14: Use in lubricants	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, PROC3, PROC4, PROC 8a, PROC 8b, PROC9, PROC10, PROC11, PROC13, PROC17, PROC18, PROC20	ERC 8A, ERC 8D
ES 15: Use in lubricants	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.	PC24	ERC 8A, ERC 8D
ES 16: Agrochemical uses	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	ERC 8A, ERC 8D
ES 17: Agrochemical uses	Consumer (SU21)	Covers the consumer use in agrochemicals in liquid and solid forms.	PC12, PC27	ERC 8A, ERC 8D
ES 18: 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, PROC4, PROC8a, PROC8b, PROC9	ERC 7
ES 19: Functional Fluids	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, PROC 20	ERC 9A, ERC 9B
ES 20: Functional Fluids	Consumer (SU21)	Use as functional fluids e.g. cable oils, transfer oils, coolants, insulators, refrigerants, hydraulic fluids in professional equipment including maintenance and related material transfers.	PC16, PC17	ERC 9A, ERC 9B
ES 21: Water treatment	Industrial (SU3)	Covers the use in water treatment chemicals.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13	ERC 4
ES 22: Water treatment	Professional (SU22)	Covers the use in water treatment chemicals.	PROC1, PROC3, PROC4, PROC 8a, PROC8b, PROC13	ERC 8F
ES 23: Water treatment	Consumer (SU21)	Covers the use in water treatment chemicals.	PC37	ERC 8F
ES 24: Use in laboratories	Industrial (SU3)	Use of the substance within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC 4
ES 25: Use in laboratories	Professional (SU22)	Use of small quantities within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC 8a
ES 26: Use in Other Consumer Products (Cosmetics)	Consumer (SU21)	Covers use as a carrier in cosmetics/personal care products, perfumes and fragrances.	PC28, PC39	ERC 8A
ES 27: Use in fire foams	Industrial (SU3)	Use in fire foams	PROC1, PROC4, PROC5, PROC7, PROC8a, PROC8b	ERC 4
ES 28a: Use in fire foams - marine	Professional (SU22)	Use in marine fire foams	PROC1, PROC4, PROC8a, PROC8b, PROC11, PROC19	ERC 8D
ES 28b: Use in fire foams - aviation	Professional (SU22)	Use in aviation fire foams	PROC1, PROC3, PROC8a, PROC8b, PROC11	ERC 8D
ES 28c: Use in fire foams - small scale	Professional (SU22)	Use in small scale fire foams	PROC1, PROC8a, PROC11, PROC19	ERC 8D
ES 28d: Use in fire foams - indoor	Professional (SU22)	Use in indoor fire foams	PROC1, PROC5, PROC8a, PROC11	ERC 8A
ES 29a: Use in onshore oil and gas field drilling and production operations	Professional (SU22; SU2a)	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
ES 29b: Use in onshore oil and gas field drilling and production operations	Industrial (SU3; SU2a)	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 4
ES 30a: Use in offshore oil and gas field drilling and production operations	Professional (SU22, SU2b)	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
ES 30b: Use in offshore oil and gas field drilling and production operations	Industrial (SU3, SU2b)	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 4
ES 31: Use as a chemical intermediate	Industrial (SU3)	Use as an intermediate. 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, PROC8a, PROC8b, PROC15	ERC 6A