

Generic Exposure Scenario Title	Examples of Associated Applications	Generic Exposure Scenario Scope	Sector of Use (SU)	Process Category (PROC) Chemical Product Category (PC)	Environmental Release Category (ERC)	Ondina (all grades)	Catenex (all grades) Edelex (all grades) Flavex (all grades) Gravex (all grades) Risella (all grades) Gadus (all grades) HVI (all grades) LVI (all grades) MVIN (all grades) Olea (all grades) Star (all grades)
Manufacture of substance	Feedstock for base oil production in the mineral oil industry (refining and blending). Carrier used in process chemicals for the manufacture of substances.	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) and associated laboratory activities	Industrial (SU8, SU9)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15	ERC1	Yes	Yes
		Not applicable	Professional (SU22)				
		Not applicable	Consumer (SU21)				
Distribution of substance	Storage, loading, repacking of substance, including its distribution	Storage, loading (including marine vessel/barge, rail/road car and bulk container loading) and repacking (including drums and small packs) of substance, including its distribution and associated laboratory activities.	Industrial (SU8, SU9)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15	ERC1 (loading); ERC2 (repacking)	Yes	Yes
		Not applicable	Professional (SU22)				
		Not applicable	Consumer (SU21)				
Formulation & (re)packing of substances and mixtures	The preparation of all formulations containing base oil	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 and maintenance and associated laboratory activities.	Industrial (SU10)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15	ERC2	Yes	Yes
		Not applicable	Professional (SU22)				
		Not applicable	Consumer (SU21)				
Uses in Coatings	Use in adhesives, insoluble sulfur, printing inks, carbon black production, resins, bitumen membranes, mastic, antidusting agents, anti-rust / anti-corrosive, glass wool impregnation, Paving / roofing	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 and maintenance and associated laboratory activities.	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15	ERC 4	Yes	Yes
		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 equipment cleaning and maintenance and associated laboratory activities.	Professional (SU22)	PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC15, PROC19	ERC 8A ERC 8D	Yes	Yes
		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.	Consumer (SU21)	PC1, PC4, PC5, PC9, PC10, PC18, PC23, PC24, PC31	ERC 8A ERC 8D	Yes	Yes

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Use in Cleaning Agents	Use in household products, e.g. aerosols, coatings, and air care products such as a degreaser, carrier fluid in cleaning paste	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.	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13	ERC 4	Yes	Yes
		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).	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13	ERC 8A ERC 8D	Yes	Yes
		Covers general exposures to consumers arising from the use of household products sold as washing and cleaning products, aerosols, de-icers, and air care products.	Consumer (SU21)	PC3, PC4, PC9, PC24, PC35	ERC 8A ERC 8D	Yes	Yes
Use in Oil field drilling and production operations	Oil field drilling muds and well cleaning	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.	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC8b, PROC9, PROC10	ERC 4		Yes
		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.	Professional (SU22)	PROC3, PROC4, PROC8b, PROC9, PROC10	ERC 8D		Yes
		Not applicable	Consumer (SU21)				
Lubricants	Use in lubricant additive manufacture, lubricating greases and oils.	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.	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17	ERC 7, ERC 4	Yes	Yes
		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.	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC13, PROC17, PROC20	ERC 8A, ERC 8D ERC 9A, ERC 9B	Yes	Yes
		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.	Consumer (SU21)	PC1, PC6, PC24, PC31	ERC 8A, ERC 8D ERC 9A, ERC 9B	Yes	Yes
		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.	Industrial (SU3)	PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17	ERC 4	Yes	Yes

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Metal working fluids / rolling oils	Use in metalworking fluids or rolling oils and associated applications.	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.	Professional (SU22)	PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC17	ERC 8A	Yes	Yes
		Not applicable	Consumer (SU21)				
Use as binders and release agents	Use in e.g. foundry additives, concrete demoulding agents	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.	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC6, PROC7, PROC8b, PROC10, PROC14	ERC 8F	Yes	Yes
		Covers the use as binders and release agents including material transfers, mixing, application by spraying, brushing, and handling of waste.	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC6, PROC 8a, PROC8b, PROC10, PROC11, PROC14	ERC 8C	Yes	Yes
		Not applicable	Consumer (SU21)				
Agrochemical uses	Use as an excipient in agriculture products, e.g. fertilizers, plant protection products	Not applicable	Industrial (SU3)				
		Use as an agrochemical excipient for application by manual or machine spraying, smokes and fogging; including equipment clean-downs and disposal.	Professional (SU22)	PROC4, PROC8a, PROC8b, PROC11, PROC13	ERC 8A, ERC 8D	Yes	Yes
		Covers the consumer use in agrochemicals in liquid and solid forms.	Consumer (SU21)	PC12, PC22, PC27	ERC 8D	Yes	Yes
Use as a fuel	Use in fuel additives and as a fuel blending component	Covers the use as a fuel (or fuel additive) and includes activities associated with its transfer, use, equipment maintenance and handling of waste.	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC 6B	Yes	Yes
		Covers the use as a fuel (or fuel additive) and includes activities associated with its transfer, use, equipment maintenance and handling of waste.	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC16	ERC 8B, ERC 8E	Yes	Yes
		Covers consumer uses in liquid fuels	Consumer (SU21)	PC13	ERC 8B, ERC 8E	Yes	Yes
Functional Fluids	Use in electrical applications, cable filling compounds, heat transfer oils, refrigerants, hydraulic fluids	Use as functional fluids e.g. cable oils, transfer oils, insulators, refrigerants, hydraulic fluids in industrial equipment including maintenance and related material transfers	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC 8a, PROC 8b, PROC9	ERC 7	Yes	Yes
		Use as functional fluids e.g. cable oils, transfer oils, insulators, refrigerants, hydraulic fluids in professional equipment including maintenance and related material transfers.	Professional (SU22)	PROC1, PROC2, PROC3, PROC 8a, PROC9, PROC20	ERC 9A, ERC 9B	Yes	Yes
		Use of sealed items containing functional fluids e.g. transfer oils, hydraulic fluids, refrigerants	Consumer (SU21)	PC16, PC17	ERC 9A, ERC 9B	Yes	Yes
Road and construction applications	Use in bitumen, mastic, Paving / roofing, construction activities	not applicable .. Refers to bitumen blending. Covered under 'Formulation'	Industrial (SU3)				
		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	Professional (SU22)	PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13	ERC 8F	Yes	Yes
		Not applicable	Consumer (SU21)				
Other Consumer Uses	Use as a carrier in cosmetics/personal care products, etc.	Consumer uses not covered in consumer examples listed above e.g. use as a carrier in cosmetics/personal care products, perfumes and fragrances.	Consumer (SU21)	PC28, PC39	ERC 8A, ERC 8D	Yes	Yes
		Not applicable	Industrial (SU3)				

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Explosives manufacture and use	Use in explosives	Covers exposures arising from the manufacture of slurry explosives (including materials transfer, mixing and charging) and equipment cleaning	Professional (SU22)	PROC3, PROC5, PROC8a, PROC8b	ERC 8D	Yes	Yes
		Not applicable	Consumer (SU21)				
Rubber production and processing	Use in insoluble sulfur, rubber manufacturing, carbon black production	Manufacture of rubber articles, including processing of raw rubber, handling and mixing of rubber additives, vulcanising, cooling and finishing.	Industrial (SU10)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC14, PROC21	ERC 6D	Yes	Yes
		Not applicable	Professional (SU22)				
		Not applicable	Consumer (SU21)				
Polymer production	Uses in polymer production, e.g. as a plasticiser for TPE	Manufacture of polymers from monomers in continuous and batch processes, include sparging, discharging, and reactor maintenance and immediate polymer product formation (i.e. compounding, pelletisation, product off-gassing).	Industrial (SU10)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC14, PROC21	ERC 6C	Yes	Yes
Polymer processing	Use in polymer processing, e.g. battery separation, carbon black production, plasticiser for TPE, cable filling compounds.	Processing of formulated polymers including material transfers, additives handling, moulding, curing and forming activities, material re-works and associated maintenance.	Industrial (SU10)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC13, PROC14, PROC21	ERC 6D	Yes	Yes
		Processing of formulated polymers including material transfers, moulding and forming activities, material re-works and associated maintenance.	Professional (SU22)	PROC1, PROC2, PROC8a, PROC8b, PROC14, PROC21	ERC 8A, ERC 8D ERC 8C, ERC 8F	Yes	Yes
Water treatment chemicals	Use in antifoam preparations, flocculants, etc for water treatment	Covers the use of the substance for the treatment of water at industrial facilities in open and closed systems	Industrial (SU10)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13	ERC 4	Yes	Yes
		Covers the use of the substance for the treatment of water in open and closed systems	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13	ERC 8B, ERC 8E	Yes	Yes
		Covers the use of the substance for the treatment of water in open and closed systems	Consumer (SU21)	PC36, PC37	ERC 8B, ERC 8E	Yes	Yes
Mining chemicals	Use in e.g. antifoam preparations, flotation of metal ore	Covers the use of the substance in extraction processes at mining operations, including material transfers, winning and separation activities, and substance recovery and disposal.	Industrial (SU10)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8b, PROC9, PROC10, PROC13, PROC23	ERC 8D	Yes	Yes
		Not applicable	Professional (SU22)				
		Not applicable	Consumer (SU21)				