

LIST OF COMMON SOLVENT USES MATCHED TO ESIG Generic Exposure Scenario (GES) TITLE WITH EXAMPLES OF RELEVANT SOLVENT

GES (Use) TITLE (alphabetical)	GES Number	END-USE APPLICATIONS	EXAMPLES (not an exhaustive list)	EXAMPLE HYDROCARBON SOLVENTS CATEGORIES TYPICALLY RELEVANT FOR USE (not an exhaustive list:see Note 1)	EXAMPLE OXYGENATED SOLVENTS CATEGORIES RELEVANT FOR USE (not a exhaustive list: see Note 1)
Use in Agrochemicals Use as Binders and release	11	Biocidal protection products	E.g. Carriers, co-solvents, Coupling agents, emulsifiers in plant protection products, pesticide/ insecticide formulations,	1, 2, 7, 8, 9	Ketones; Alcohols; Glycol ethers/esters
		Insecticides	E.g. Carriers, co-solvents, coupling agents, emulsifiers in plant protection products, pesticide. . insecticide formulations.	7, 8	Ketones; Alcohols; Glycol ethers/esters
		Plant protection products	E.g. Carriers, co-solvents, coupling agents, emulsifiers in plant protection products,	1, 2, 7, 8, 9	Ketones; Alcohols
		Foundry mould release products	pesticide/ insecticide formulations E.g. Anti-set-off, anti-adhesive or release agents for foundry purposes (solvents for coatings	1, 2, 6, 7, 8, 9	Ketones; Alcohols
agents	10	Mould release agents	applied to (sand) moulds E.g. Anti-set-off, anti-adhesive or release agents, e.g.concrete relase agents	1, 2, 6, 7, 8, 9	Alcohols
Blowing agents	9	Blowing agents	E.g. Blowing agents in manufacture of e.g. polystyrene	5	Ketones
Use in Cleaning Agents	4	Cleaning products	E.g. Substance used in detergents, metal (parts) cleaners, electronic cleaners, laundry	7, 8	Ketones; Alcohols;
		Degreasing formulations	cleaners, degreasers etc. E.g. Substances used in Engine (parts) cleaning, brake cleaning, metal degreasing formulations	6, 7, 8	Glycol ethers/esters Ketones; Alcohols; Glycol ethers/esters
		Dry cleaning formulations Solder flux removal products	E.g. Solvents in dry-cleaning formulations E.g. Electronic parts cleaners	8 6, 7, 8	n/a Ketones; Alcohols;
		Wipes	E.g. Wipes for cleaning purposes	7, 8	Glycol ethers/esters Ketones; Alcohols;
		·		Toluene, Xylene	Glycol ethers/esters
Uses in Coatings	3	Adhesives Inks	E.g. Solvents, fillers, plasticisers, emulsifiers, dispersants in e.g. adhesives E.g. Carriers for all types of water and solventborne inks.	1, 2, 6, 7, 8, 9 1, 2, 7, 8, 9	Ketones; Glycol ethers/esters Glycol ethers/esters
		Metal surface treatment	E.g. Anti-corrosion-protection oils, other surface treatment products, temporary coatings	8, 9	1
		products Non-metal surface treatment	E.g. Anti-corrosion-, protection oils, other surface treatment products, temporary coatings	8, 9	n/a
		products	wood protection oils, parquet oils	-	
		Paint removal products Paints	E.g. Carriers in paint stripper formulations E.g. Substances used in Bitumen linings or lacquers, paints, Inks, stains, varnish, primers	1, 2 1, 2, 3, 6, 7, 8, 9	Ketones; Glycol ethers/esters Ketones; Alcohols;
		Plastisols	E.g. PVC plastisols for wallpaper, cotings for construction materials	8	Glycol ethers/esters n/a
		Parquet oils	E.g. Coalescence, carrier, emulsifiers, dispersants for all types of Parquet oils	8	n/a
		Polish & wax blends	E.g. Carriers emulsifiers, dispersants in shoe polish, car wax , floor and furniture polishes, other surface treatment products	1, 2, 7, 8	Alcohols; Glycol ethers
		Putties Sealants	E.g. Carriers, fillers, plasticisers, emulsifiers, dispersants in sealants / putties	8, 9 8, 9	Ketones; Glycol ether esters
		Thinners	E.g. Carriers, fillers, plasticisers, emulsifiers, dispersants in sealants / putties E.g. Carriers in thinners	1, 2, 6, 7, 8	Ketones; Alcohols;
		Wood protection oils	E.g. Teak oils, outdoor garden furniture treatment products, parquet oils	8	n/a
De-icing and anti-icing applications	14	De-icing products	E.g. Substances used in de-icing products for aviation, vehicles, conveyor belts, coal industry	n/a	Alcohols; Glycol ethers
ormulation & (re) packing	2	Inclusion of solvents as a component in	E.g. Blending of substances in solvents, also relevant for end use applications such as 'denaturants', and use in production of anial food and fodder.	All Hydrocarbon solvents	All Chemical solvents All Glycol ethers/esters
of solvent based mixtures		mixtures/formulations			
Use in Fuels	12	Catalytic lamp oils	E.g. Formulations that are combusted catalytically, Fragrance lamp oils, Perfume lamp oils,	n/a	Alcohols
		Fuel additives Fuels	E.g. Carriers, dispersants used in fuel formulations E.g. Barbeques oils, Lamp oils, fire gels, lighter fluids, heater oils, acetylene solvent	1, 2, 8	Ketones; Alcohols Ketones; Alcohols
				-	
	13	Brake fluids Coolants	E.g. Brake fluids for automotive vehicles E.g. Industrial heat exchangers, automotive	n/a 8	Glycol ethers
Functional Fluids		Heat transfer fluids Hydraulic fluids	E.g. Industrial heat exchangers, refrigerants, air conditioners E.g. as blend component in all kinds of hydraulic installations	5, 8 8	n/a Ketones; Glycol ethers/esters
		Refrigerants	E.g. Refrigerants, air conditioners	5	n/a
Use in Laboratories	17	Laboratory chemicals	E.g. General use of substance as laboratory chemical, glass rinsing/cleaning	Various hydrocarbon solvents, mostly pentane, heptane, tolune	Ketones; Alcohols
Lubricants	6	Lubricant formulations	E.g. Carriers and solvents in all types of lubricating oils, e.g. engine oils, greases, metal working fluids (or: Use of HCS as carriers for additives used in the manufacture of finished	1, 2, 5, 8, 9	Alcohols
		Catalyst deactivator, deashing	lubricants.) Process chemical e.g. agents, to inhibit reaction progress	n/a	Alcohols
		agents Damping agent	E.g. Alcohols in nitrocellulose formulations	n/a	Alcohols
		Explosives (nitrocellulose)	Process chemical e.g. Dampening agents, in extrudation processes	n/a	Ketones; Alcohols; Glycol ethers/esters
					Alcohols
	l	Inhibitor	Process chemical, e.g. solvents, to inhibit reaction progress	n/a	
		Inhibitor Intermediates	Process chemical, e.g., solvents, to inhibit reaction progress Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc.	n/a 1, 2	Ketones; Alcohols; Glycol ethers/esters
anufacture (including use		Intermediates Lub oil dewaxing	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils	1, 2 n/a	Glycol ethers/esters Ketones
as a Process Chemical or	1	Intermediates Lub oil dewaxing Photo chemicals manufacture	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents	1, 2 n/a n/a	Glycol ethers/esters Ketones Ketones; Alcohols
	1	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases	1, 2 n/a n/a n/a	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols
lanufacture (including use as a Process Chemical or Extraction Solvent)	1	Intermediates Lub oil dewaxing Photo chemicals manufacture	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents	1, 2 n/a n/a	Glycol ethers/esters Ketones Ketones; Alcohols
as a Process Chemical or	1	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes	1, 2 n/a n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols
as a Process Chemical or	1	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor,	1, 2 n/a n/a n/a n/a	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols In/a Ketones; Alcohols;
as a Process Chemical or	1	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, intermediate in polymerisation processes E.g. production of hydrogen peroxide	1, 2 n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols n/a
as a Process Chemical or Extraction Solvent)		Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil	1, 2 n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols Alcohols Alcohols Alcohols Alcohols Glycol ethers Alcohols; Glycol ethers
as a Process Chemical or Extraction Solvent) Metal working fluids / rolling oils	7	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture Extraction Metal working fluids	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil formulations, metal surface treatment products	1, 2 n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8 6, 7 8, 9	Glycol ethers/esters Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols Alcohols Alcohols Alcohols Metones; Alcohols Metones; Alcohols Metones; Alcohols; Glycol ethers/esters MEK, MIBK, Acetone, IPA
as a Process Chemical or Extraction Solvent) Metal working fluids / rolling oils Mining Chemicals		Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture Extraction Metal working fluids Metal solvent extraction Flotation	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil formulations, metal surface treatment products E.g. Diluent in metal solvent extraction processes E.g. Plotation frother	1, 2 n/a n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8 6, 7 8, 9 2, 6, 7, 8, 9 n/a	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols, Glycol ethers Alcohols n/a Ketones; Alcohols; Glycol ethers MEK, MIBK, Acetone, IPA n/a Ketones; Ketones; Ketones, IPA
as a Process Chemical or Extraction Solvent) Metal working fluids / rolling oils Mining Chemicals Use in Oil and gas field drilling and production	7	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture Extraction Metal working fluids Metal solvent extraction Flotation Drilling and fracturing operations	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil formulations, metal surface treatment products E.g. Diluent in metal solvent extraction processes E.g. Flotation frother E.g. Base fluids, emulsifiers, shale inhibitors, other additives in drilling muds.	1, 2 n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8 6, 7 8, 9 2, 6, 7, 8, 9 n/a 8, 9	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols n/a Ketones; Alcohols; Glycol ethers/esters MEK, MIBK, Acetone, IPA n/a Ketones; Glycol ethers Ketones; Glycol ethers Ketones; Glycol ethers
as a Process Chemical or Extraction Solvent) Metal working fluids / rolling oils Mining Chemicals Use in Oil and gas field	7 22 5	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture Extraction Metal working fluids Metal solvent extraction Pilotation Drilling and fracturing	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil formulations, metal surface treatment products E.g. Diluent in metal solvent extraction processes E.g. Plotation frother	1, 2 n/a n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8 6, 7 8, 9 2, 6, 7, 8, 9 n/a	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols, Glycol ethers Alcohols n/a Ketones; Alcohols; Glycol ethers MEK, MIBK, Acetone, IPA n/a Ketones Ketones; Glycol ethers
Metal working fluids / rolling oils Mining Chemicals Use in Oil and gas field drilling and production operations Road and Construction operations	7 22	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture Extraction Metal working fluids Metal solvent extraction Flotation Drilling and fracturing operations Oilfield chemicals Bitumen Road repair, roofing	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil formulations, metal surface treatment products E.g. Diluent in metal solvent extraction processes E.g. Piotation frother E.g. Base fluids, emulsifiers, shale inhibitors, other additives in drilling muds. E.g. Base fluids, well treatment products, shale inhibitors, lubricants, asphalthene inhibitors, demulsifiers E.g. Carriers for bitumen emulsions / solutions	1, 2 n/a n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8 6, 7 8, 9 2, 6, 7, 8, 9 n/a 8, 9 1, 2, 8 1, 2 1, 2, 8	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols n/a Ketones; Alcohols; Glycol ethers/esters MEK, MIBK, Acetone, IPA n/a Ketones; Glycol ethers
as a Process Chemical or Extraction Solvent) Metal working fluids / rolling oils Mining Chemicals Use in Oil and gas field drilling and production operations Road and Construction	7 22 5	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture Extraction Metal working fluids Metal solvent extraction Flotation Drilling and fracturing operations Oilfield chemicals Bitumen Road repair, roofing Rubber processing aids	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil formulations, metal surface treatment products E.g. Biluent in metal solvent extraction processes E.g. Flotation frother E.g. Base fluids, emulsifiers, shale inhibitors, other additives in drilling muds. E.g. Base fluids, well treatment products, shale inhibitors, lubricants, asphalthene inhibitors, demulsifiers E.g. Carriers for bitumen emulsions / solutions Process chemical e.g. Compounding aids	1, 2 n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8 6, 7 8, 9 2, 6, 7, 8, 9 n/a 8, 9 1, 2, 8 1, 2 3, 6, 7, 8, 9	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols Ketones; Alcohols; Glycol ethers/esters MEK, MIBK, Acetone, IPA n/a Ketones; Glycol ethers Ketones; Alcohols; Glycol ethers Ketones; Alcohols; Glycol ethers Alcohols; Glycol ethers Retones; Alcohols; Glycol ethers
Metal working fluids / rolling oils Mining Chemicals Use in Oil and gas field drilling and production operations Road and Construction operations Rubber Production and	7 22 5 15	Intermediates Lub oil dewaxing Photo chemicals manufacture Photographic film manufacture Pigment manufacture Polymerisation processes Chemical manufacture Resin manufacture Extraction Metal working fluids Metal solvent extraction Flotation Drilling and fracturing operations Oilfield chemicals Bitumen Road repair, roofing	Intermediate e.g. for the production of e.g. bulk chemicals, fine chemicals, pharmaceuticals, fragrances, dyes etc. Extraction agent, e.g. to extract wax / paraffins form mineral oils, crude oils Process chemical e.g. for the production of toner, photo copy solvents Process chemical e.g. for the manufacture of cellulose acetate or other resin bases Process chemical, e.g. dispersion agents, carriers, grinding aids, metal pastes Process chemical, e.g. process aids catalyst carrier, reaction media, reaction inhibitor, catalyst deactivators, Intermediate in polymerisation processes E.g. production of hydrogen peroxide Process chemical e.g. in resin manufacturing process Extraction agents for use in production of e.g. seed oil, fragrances, proteins, caffeine and others. E.g. Carriers, lubricating agents in metal working oils, rolling oils, cutting oils quenching oil formulations, metal surface treatment products E.g. Diluent in metal solvent extraction processes E.g. Piotation frother E.g. Base fluids, emulsifiers, shale inhibitors, other additives in drilling muds. E.g. Base fluids, well treatment products, shale inhibitors, lubricants, asphalthene inhibitors, demulsifiers E.g. Carriers for bitumen emulsions / solutions	1, 2 n/a n/a n/a n/a 1, 2, 7, 8 5, 6, 8, 9 1, 2 1, 2, 8 6, 7 8, 9 2, 6, 7, 8, 9 n/a 8, 9 1, 2, 8 1, 2 1, 2, 8	Glycol ethers/esters Ketones Ketones; Alcohols Ketones; Alcohols Alcohols; Glycol ethers Alcohols n/a Ketones; Alcohols; Glycol ethers/esters MEK, MIBK, Acetone, IPA n/a Ketones; Glycol ethers