

**ExxonMobil Supported Uses - Generic Use Mapping for Mono Ethylene Glycol**  
**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Mono Ethylene Glycol (MEG)
<b>1. Manufacture of substance</b> <i>Manufacture of the substance or use as an intermediate or process chemical or extraction agent including recycling/recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and</i>	Industrial (SU3) [SU8, SU9]	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15	ERC1	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>2 Use as intermediate</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15	ERC6a	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>3 Use as Process Chemical</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC13, PROC14, PROC15	ERC4	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>4 Distribution of Substance</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15	ERC1	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		

**ExxonMobil Supported Uses - Generic Use Mapping for Mono Ethylene Glycol**  
**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Mono Ethylene Glycol (MEG)
<b>5. Formulation &amp; (re)packing of substances and mixtures</b> <i>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.</i>	Industrial (SU3) [SU10]	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC14, PROC15	ERC2	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>6. Production of Polymers</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC15	ERC6c	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>7/8/9. Use in paints/coatings/Adhesives/Sealants /Foams/Polymers/filled Polymers</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15	ERC 4	✓
	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC14, PROC15, PROC19	ERC8a, ERC8c, ERC8d, ERC8f	✓
	Consumer (SU21)	PC9a,PC15, PC18, PC31	ERC8a	✓
<b>10/11/12. Use in Cleaning Agents</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13	ERC 4	✓

**ExxonMobil Supported Uses - Generic Use Mapping for Mono Ethylene Glycol**  
**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Mono Ethylene Glycol (MEG)
	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13	ERC8a, ERC8d	✓
	Consumer (SU21)	PC35	ERC8a, ERC8d	✓
<b>13. Use in Lubricants</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17, PROC18	ERC4, ERC7	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>14/15 Use in Metal Working Fluids</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17	ERC 4	✓
	Professional (SU22)	PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10	ERC9b	✓
	Consumer (SU21)	not applicable		
<b>16 Use in Agrochemicals Distribution of Substance</b>	Industrial (SU3)	not applicable		
	Professional (SU22)	PROC1, PROC2, PROC8a, PROC8b, PROC9, PROC11, PROC13	ERC8a, ERC8d	✓
	Consumer (SU21)	not applicable		
<b>17/18. Functional Fluids</b> <i>Use as functional fluids e.g. cable oils, transfer oils, insulators, refrigerants, and hydraulic fluids in industrial, professional and consumer equipment including</i>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC 8a, PROC 8b, PROC9	ERC 7	✓

**ExxonMobil Supported Uses - Generic Use Mapping for Mono Ethylene Glycol**  
**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Mono Ethylene Glycol (MEG)
<i>maintenance and related material transfers.</i>	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC9, PROC20	ERC9a, ERC9b	✓
	Consumer (SU21)	not applicable		
<b>19. Use in heat transfer and hydraulic fluids</b>	Industrial (SU3)	not applicable		
	Professional (SU22)	not applicable		
	Consumer (SU21)	PC16, PC17	ERC9a, ERC9b	✓
	Industrial (SU3)	Not applicable		
<b>20/21. De-icing and anti-icing applications</b> <i>Ice prevention and de-icing of vehicles, aircraft and other equipment by spraying</i>	Professional (SU22)	PROC1, PROC2, PROC8a, PROC8b, PROC11	ERC 8D	✓
	Consumer (SU21)	PC4	ERC 8D	✓
	Industrial (SU3)	Not applicable		
<b>22 Use in Laboratories</b>	Industrial (SU3)	PROC15	ERC8a	✓
	Professional (SU22)	PROC15	ERC8a	✓
	Consumer (SU21)	not applicable		
<b>23 Use in Water Treatment</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC13	ERC 3	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>24/25 Production of Polymers, filled polymers, foams, coatings, adhesives, sealants</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15	ERC2, ERC3, ERC5, ERC6c	✓
	Professional (SU22)	not applicable		

**ExxonMobil Supported Uses - Generic Use Mapping for Mono Ethylene Glycol**  
**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Mono Ethylene Glycol (MEG)
	Consumer (SU21)	PC1	ERC8c, ERC8f	✓

The information contained above only expresses ExxonMobil's intent and it does not constitute a binding obligation. While the information is provided in good faith, no representations or warranties are made as to its completeness or accuracy. ExxonMobil will not be liable for any damages resulting from the use of or reliance on the information.

**ExxonMobil Supported Uses - Generic Use Mapping for Di Ethylene Glycol**

**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Di Ethylene Glycol (DEG)
<b>1. Manufacture of substance</b> <i>Manufacture of the substance or use as an intermediate or process chemical or extraction agent including recycling/recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and</i>	Industrial (SU3) [SU8, SU9]	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC15	ERC1	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>2 Use as intermediate</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC15	ERC6a	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>3 Use as Process Chemical</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC13, PROC14, PROC15	ERC4	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>4 Distribution of Substance</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15	ERC1	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		

**ExxonMobil Supported Uses - Generic Use Mapping for Di Ethylene Glycol**

**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Di Ethylene Glycol (DEG)
<b>5. Formulation &amp; (re)packing of substances and mixtures</b> <i>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.</i>	Industrial (SU3) [SU10]	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC14, PROC15	ERC2	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>6. Production of Polymers</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC15	ERC6c	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>7/8/9. Use in paints/coatings/Adhesives/Sealants /Foams/Polymers/filled Polymers</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC10, PROC13, PROC15	ERC 4	✓
	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC14, PROC15, PROC19	ERC8a, ERC8c, ERC8d, ERC8f	✓
	Consumer (SU21)	PC9a, PC15, PC18, PC31	ERC8a, ERC8c, ERC8d, ERC8f	✓
<b>10/11/12. Use in Cleaning Agents</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC10, PROC13	ERC 4	✓

**ExxonMobil Supported Uses - Generic Use Mapping for Di Ethylene Glycol**

**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Di Ethylene Glycol (DEG)
	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC10, PROC11, PROC13	ERC8a, ERC8d	✓
	Consumer (SU21)	PC35	ERC8a, ERC8d	✓
<b>13 Use in Biocidal Products</b>	Industrial (SU3)	not applicable		
	Professional (SU22)	not applicable		
	Consumer (SU21)	PC8	ERC8a, ERC8d	✓
<b>14. Use in Lubricants</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17, PROC18	ERC4, ERC7	✓
	Professional (SU22)	not applicable		
	Consumer (SU21)	not applicable		
<b>15/16 Use in Metal Working Fluids</b>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC17	ERC 4	✓
	Professional (SU22)	PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC13, PROC17	ERC8a	✓
	Consumer (SU21)	not applicable		
<b>17/18. Functional Fluids</b> <i>Use as functional fluids e.g. cable oils, transfer oils, insulators, refrigerants, and hydraulic fluids in industrial, professional and consumer equipment including</i>	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC 8a, PROC 8b, PROC9	ERC 7	✓

**ExxonMobil Supported Uses - Generic Use Mapping for Di Ethylene Glycol**

**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Di Ethylene Glycol (DEG)
<i>maintenance and related material transfers.</i>	Professional (SU22)	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC9, PROC20	ERC9a, ERC9b	✓
	Consumer (SU21)	not applicable		
<b>19. Use in heat transfer and hydraulic fluids</b>	Industrial (SU3)	not applicable		
	Professional (SU22)	not applicable		
	Consumer (SU21)	PC16, PC17	ERC9a, ERC9b	✓
	Industrial (SU3)	Not applicable		
<b>20/21. De-icing and anti-icing applications</b> <i>Ice prevention and de-icing of vehicles, aircraft and other equipment by spraying</i>	Professional (SU22)	PROC1, PROC2, PROC8a, PROC8b, PROC11	ERC8d	✓
	Consumer (SU21)	PC4	ERC8d	✓
	Industrial (SU3)	PROC15	ERC8a	✓
<b>22 Use in Laboratories</b>	Professional (SU22)	PROC15	ERC8a	✓
	Consumer (SU21)	not applicable		
	Industrial (SU3)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15	ERC2, ERC3, ERC5, ERC6c	✓
<b>23/24 Production of Polymers, filled polymers, foams, coatings, adhesives, sealants</b>	Professional (SU22)	not applicable		
	Consumer (SU21)	PC1	ERC8c, ERC8f	✓
	Industrial (SU3)	not applicable		
<b>25 Production of Rigid Foam</b>	Professional (SU22)	not applicable		
	Consumer (SU21)	PC32	ERC8c, ERC8f	✓
	Industrial (SU3)	not applicable		

**ExxonMobil Supported Uses - Generic Use Mapping for Di Ethylene Glycol**  
**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Di Ethylene Glycol (DEG)
---------------------	------------------------	---	--	-----------------------------

The information contained above only expresses ExxonMobil's intent and it does not constitute a binding obligation. While the information is provided in good faith, no representations or warranties are made as to its completeness or accuracy. ExxonMobil will not be liable for any damages resulting from the use of or reliance on the information.

**ExxonMobil Supported Uses - Generic Use Mapping for Tri Ethylene Glycol**

**Date Issued: May 2010**

GES Title/ Scope	Sectors of Use (SU)	Process Category (PROC)/ Chemical Product Category (PC)	Environmental Release Category (ERC)	Tri Ethylene Glycol (TEG)
All Uses	Industrial (SU3) [SU8, SU9]			<p><b><u>Non-hazardous substance.</u></b></p> <p>Under REACh, non-hazardous substances are not required to have their end-uses described using the REACh descriptors</p>
	Professional (SU22)			
	Consumer (SU21)			

The information contained above only expresses ExxonMobil's intent and it does not constitute a binding obligation. While the information is provided in good faith, no representations or warranties are made as to its completeness or accuracy. ExxonMobil will not be liable for any damages resulting from the use of or reliance on the information.