

RISK MANAGEMENT MEASURES CAS 541-02-6 Decamethylcyclopentasiloxane

Chemical safety assessments have been performed to assess the risk associated with the following uses :

Identified use	Sector of Use - main user groups (SU)	Sector of Use – sectors of end-use	Preparation Category (PC)	Process category (PROC)	Article category (AC)	Environmental Release Category (ERC)	Exposure scenarios
Monomer	SU3	SU8, 9	PC19	PROC1, 3, 8b, 9	-	ERC6c, 6a	ES2
Intermediate	SU3	SU8, 9	PC19	PROC1, 2, 3, 4, 8b, 9	-	ERC6a	ES3
Electronics	SU3	SU16	PC1	PROC7, 8b, 9, 10, 13,14	-	ERC5	ES5
Textiles	SU3, 21, 22	SU5, 10	PC34	PROC5, 7, 8b, 9, 10, 13	-	ERC2, 4, 6b, 8a, 8b	ES6
Personal care products	SU3, 21, 22	SU10	PC39	PROC1,2, 3, 5, 8a, 8b, 9, 10, 11, 14,19	-	ERC2, 8a	ES10,11
Household care products	SU3, 21, 22	SU10	PC35, 31	PROC1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 11, 19	-	ERC2, 4, 8a, 8d	ES10,12,13, 14
Dry cleaning	SU22	-	PC35	PROC2, 8a	-	-	ES15
Laboratory chemical	SU3	SU24	PC21	PROC15	-	N/A	ES19

General provisions

Safe use has been demonstrated by calculation of risk characterisation ratios. These are based on the following risk management measures:

Exposure scenario	Description	General measures	Specific Human Health risk management measures	Specific Environment risk management measures
ES1	Production and on site use (site specific)	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) ii) Personal Protective Equipment (PPE): Suitable respiratory protective equipment (RPE) is recommended if the substance is handled in large quantities in confined spaces but has not been used for RCR calculations	The following are applicable as a 'best practice': (i) Use of air emission abatement equipments such as incinerators and scrubbers (ii) Treatment of effluent in biological waste water treatment plant

Exposure scenario	Description	General measures	Specific Human Health risk management measures	Specific Environment risk management measures
ES2, ES3	Use as a monomer, intermediate	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) ii) Personal Protective Equipment (PPE): Suitable respiratory protective equipment (RPE) is recommended if the substance is handled in large quantities in confined spaces but has not been used for RCR calculations	(i) Treatment of effluent in waste water treatment plant (WWTP) before discharge to marine water
ES4	Confidential to a single registrant			
ES5	Use in electronics	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): Suitable respiratory protective equipment (RPE) is recommended if the substance is handled in large quantities in confined spaces but has not been used for RCR calculations	N/A
ES6	Use in textiles	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) is used for spray applications	N/A
ES7, 8, 9	Confidential to a single registrant			
ES10	Formulation of personal and household care products	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): Suitable respiratory protective equipment (RPE) is recommended if the substance is handled in large quantities in confined spaces but has not been used for RCR calculations	(i) Treatment of effluent in waste water treatment plant (WWTP) before discharge to marine water.
ES11	Use of personal care products	N/A	N/A	(i) Standard municipal WWTP
ES12	Use of household care products in industrial settings	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Concentration in product: up to 10%	(i) Treatment of effluent in waste water treatment plant (WWTP) before discharge to marine water.

Exposure scenario	Description	General measures	Specific Human Health risk management measures	Specific Environment risk management measures
ES13	Professional and consumer use of household care products – washing and cleaning		(i) Concentration in product: up to 10%	N/A
ES14	Professional and consumer use of household care products – polishes and waxes		(i) Concentration in product: up to 10%	N/A
ES15	Use in dry cleaning	N/A	N/A	N/A
ES16, 17, 18	Confidential to a single registrant			
ES19	Laboratory reagent		(i) Local Exhaust ventilation (Fume cupboard)	N/A