RISK MANAGEMENT MEASURES CAS 107-46-0 Hexamethyldisiloxane

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

Identified use	**No.**	**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)**
Other reactant (end-blocker) for silicone polymers/resins	IU1	SU3	SU8, 9	PC19	PROC1, 2, 3, 8b	-	ERC6c, 6a
Intermediate	IU2	SU3	SU8, 9, 10	PC19	PROC1, 2, 3, 4, 8b, 9	-	ERC6a
Laboratory chemical	IU3	SU3	SU24	PC21	PROC15	-	N/A
Personal care products	IU4	SU3, SU21, SU22	SU10	PC39	PROC1, 2, 3, 5, 8a, 8b, 9, 19	-	ERC2, ERC8a
Not relevant for this registrant	IU5						
Manufacture of Electronics / Semiconductors	IU6	SU3	SU16	PC33, PC35	PROC1, 2, 7, 8b, 13	-	ERC6b
Not relevant for this registrant	IU7						
Sealant formulations	IU8	SU22	SU19	PC1	PROC19	-	ERC8a
Cleaning of optical wear	IU9	SU3	SU0	PC35	PROC13	-	ERC4
Not relevant for this registrant	IU10						
Not relevant for this registrant	IU11						
Not relevant for this registrant	IU12						
Not relevant for this registrant	IU13						

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): Nitrile gloves and safety glasses or goggles are applicable as a 'best practice' but have not been used for RCR calculations (iii) Specific workers' training	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 (iii) Incineration of waste
ES2, ES3	End blocker ("other reactant"), Intermediate,	(i) Procedural and technological control using Best Available Technique (BAT) e.g. flame proof storage	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): Use of safety glasses or goggles is applicable as a 'best practice'.	(i) Treatment of effluent in waste water treatment plant (WWTP) before discharge to marine water
ES4	Laboratory reagent	Good Laboratory Practice (GLP) Flame proof storage	(i) Local Exhaust ventilation (Fume cupboard)	N/A
ES5	Formulation of personal care products	(i) Procedural and technological control using Best Available Technique (BAT) e.g. flame proof storage	(i) Local Exhaust Ventilation (LEV) (ii) Personal Protective Equipment (PPE): Use of safety glasses or goggles is applicable as a 'best practice'.	(i) Treatment of effluent in waste water treatment plant (WWTP) before discharge to marine water.
ES6	Use of personal care products	N/A	N/A	(i) Standard municipal WWTP
ES8	Semiconductor and electronics manufacture	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): Use of safety glasses or goggles is applicable as a 'best practice'.	NA
ES12	Professional use of sealants	N/A	(i) Limit exposure duration of 4 hours per day. (ii) Use of respiratory protective equipment (90%) for duration greater than 4 hours	N/A
ES13	Cleaning of optical wear	(i) Procedural and technological control using Best Available Technique (BAT)	NA	NA