

RISK MANAGEMENT MEASURES CAS 941-05-9 [Hexamethylcyclotrisiloxane]

General provisions

The following uses of D3 are of commercial significance:

- i) Use as a monomer in the production of silicone polymers: the major part of this use takes place on the production sites;
- ii) Use as an intermediate in the production of other organosilicon substances: the major part of this use takes place on the production sites
- iii) Use as a laboratory reagent in research and development activities.

These uses are summarised in terms of the appropriate REACH descriptor codes in the following table.

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)
Monomer	SU3	SU8, 9	PC19	PROC1, 2, 3, 4, 8b, 9	-	ERC6c
Intermediate	SU3	SU8, 9	PC19	PROC1, 2, 3, 4, 8b, 9	-	ERC6a
Laboratory chemical	SU3	SU24	PC21	PROC15	-	N/A

Safe use has been demonstrated by calculation of Risk Characterization 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 (site specific)	(i) Rigorous containment and safe handling in line with industry best practice. (ii) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): Gloves (butyl or nitrile rubber types) recommended; full-face respirator with ABEK-filter recommended for prolonged or high exposures	(i) Use of air emission abatement equipment such as incinerators and scrubbers (ii) Treatment of effluent in waste water treatment plant.

ES2 and ES3	Monomer and Chemical intermediate	Rigorous containment and safe handling in line with industry best practice.	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): Gloves (butyl or nitrile rubber types) recommended; full-face respirator with ABEK-filter recommended for prolonged or high exposures	(i) Use of air emission abatement equipment such as incinerators, scrubbers and fabric filters is applicable as a 'best practice'. (ii) Treatment of effluent in waste water treatment plant.
ES4	Laboratory reagent	Good Laboratory Practice (GLP)	(i) Local Exhaust ventilation (Fume cupboard) (ii) Personal Protective Equipment (PPE): Gloves (butyl or nitrile rubber types) recommended	N/A