

RISK MANAGEMENT MEASURES CAS 1071-22-3 3-(trichlorosilyl)propionitrile

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)
Intermediate	SU3	SU8, 9	PC19	PROC1, 2, 3, 8b	-	ERC6a
Laboratory chemical	SU3	SU 24	PC21	PROC15	-	N/A

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	(i) Procedural and technological control using Best Available Techniques (BAT)	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): 5-layer laminate of PE and EVOH (4H) or Butyl & Viton type gloves/gauntlets and protective clothing (iii) Specific workers' training	(i) Use of air emission abatement equipments such as incinerators and scrubbers (ii) Treatment of effluent in biological waste water treatment plant (iii) Monitoring of the volatile hydrolysis product HCl is used to validate containment.
ES2	Intermediate	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): rubber gloves as above / gauntlets; (iii) Workers' training	(i) Treatment of effluent in waste water treatment plant (WWTP)
ES3	Laboratory reagent	Good Laboratory Practice (GLP)	(i) Local Exhaust ventilation (Fume cupboard) (ii) Personal Protective Equipment (PPE): Fluorinated or nitrile rubber gloves/ gauntlets (iii) Workers' training	N/A