

## RISK MANAGEMENT MEASURES CAS 919-30-2 3-Aminopropyltriethoxysilane

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, PROC2, PROC3, PROC4, PROC8b	-	ERC6a
Monomer	SU3	SU8, 9	PC19	PROC1, PROC4, PROC8b	-	ERC1, ERC6c
Coatings	SU22, SU3, SU21	SU17, SU18, SU19, SU4, SU10,	PC9a	PROC1, PROC3, PROC4, PROC5, PROC8b, PROC9, PROC10, PROC7, PROC11, PROC13, PROC19	-	ERC8f, ERC8c, ERC2, ERC5
Non-metal surface treatment	SU3	SU13, SU11, SU12, SU10	PC15	PROC5, PROC8b, PROC0, PROC13, PROC7	-	ERC6a, ERC6d, ERC2
Sealants	SU22, SU21, SU3	SU19, SU17, SU16, SU15, SU13, SU6a, 6b SU12, SU5, SU10	PC1	PROC2, PROC4, PROC5, PROC7, PROC8b, PROC9, PROC13, PROC11, PROC19, PROC14, PROC10	-	ERC2, ERC8c, ERC8f, ERC5, ERC8b
Laboratory chemical	SU3	SU24	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 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): Fluorinated or nitrile rubber 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) Incineration of waste

<b>Exposure scenario</b>	<b>Description</b>	<b>General measures</b>	<b>Specific Human Health risk management measures</b>	<b>Specific Environment risk management measures</b>
ES2, ES3, ES4, ES5, ES6, ES8, ES9, ES 10	Intermediate, non-metal surface treatment, tyre production, non-aqueous polymer preparation.	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Local Exhaust ventilation (LEV) (ii) Personal Protective Equipment (PPE): Fluorinated or nitrile rubber gloves/ gauntlets; (iii) Workers' training	(i) Treatment of effluent in waste water treatment plant (WWTP)
ES 11	Industrial use of sealants	(i) Procedural and technological control using Best Available Technique (BAT)	(i) Butyl, nitrile, or neoprene gloves (ii) Workers' training	(i) Treatment of effluent in waste water treatment plant (WWTP).
ES7 ES12	Professional and consumer use of coating,	N/A	(i) Butyl, nitrile, or neoprene gloves recommended	(i) Standard municipal WWTP
ES13	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