

SUBSTANCE	urea
EC NUMBER	200-315-5
CAS NUMBER	57-13-6
Lead Registrant	Borealis Agrolinz Melamine GmbH

Use	Description	Sector of Use (SU)	Product Category (PC)	Process Category (PROC)	Environmental Release Category (ERC)	Article Category (AC)
Fertilizer use (EFMA)	Fe1.1, Fe1.2, Fe1.3, Fe1.4, Fe1.5, Fe1.6, Fe1.7, Fe 1.8, Fe2.1, Fe2.2, Fe2.3, Fe2.4, Fe2.5, Fe3.2, Fe3.3					
EFMA's use descriptors set:	http://www.efma.org/documents/Fertilizer%20uses%20description%20rev5%20050110.pdf					
Cleaning and maintenance products	Industrial and professional use of laundry products; professional use of dishwash products; professional use of general surface cleaning products; professional use of floor care products; industrial use of food process cleaner; industrial use of foam cleaner; industrial use of animal housing care products; industrial use of water treatment; professional use of hand cleaners	3, 21, 22	35, 37	1, 2, 4, 7, 8, 9, 10, 11, 13, 19	2, 4, 6b, 8a, 8b, 8d	
Resin and polymers manufacture	urea used as an intermediate for further synthesis. Urea-Formaldehyde, Melamine-Urea-Formaldehyde, Melamine-Urea-Phenol-Formaldehyde and Phenol-Formaldehyde Adhesives. Resins used for production of panelboards, impregnated paper; used in manufacturing of glues, adhesives, sealants; manufacture of coatings and inks.	3, 8, 9, 10, 23		1, 2, 3, 4, 5, 7, 8a, 8b, 9, 10, 11, 15	1, 2, 4, 5, 7, 6a, 6d	
Waste gas treatment - Nox reduction	Urea solution is used in SNCR and SCR reactions to reduce the NOx pollutants in exhaust gases from combustion. UCN Code: R05000; O05180	22, 23	0	1, 2, 3	8a, 6b	
Manufacture of textiles, leather, fur	urea solution	5	34	13	4, 5	5-1
Raw material in the cement and glass industry		23, 13	10	3, 4, 5, 7, 8, 9, 10, 19, 22	1, 2, 5, 8c, 8f	
Production of pharmaceuticals	urea used as an intermediate for further synthesis, reagent, as component of preparations	9	19, 29	2, 3, 4, 8, 9	1, 6A, 7	
Raw material for further synthesis	e.g. manufacture of fine chemicals, melamine	3, 9, 10		1, 2, 3, 4, 5, 9, 14	1, 2, 6a, 6b, 6c, 6d, 7	

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Manufacture of fungicides	urea used as intermediate for manufacture of fungicides product; TARIC: 3808 92 30 -Fungicides Based on benzimidazoles	10, 22	8, 27	5	2	0
Manufacture of fire resistance products		3, 19	32	5	2, 3	
Use in cosmetic industry	TARIC 3304	21	39	5	2	0
Use as nutrient in sewage treatment plants	as source of N for bacteria	3, 6, 22, 23	20, 37	0, 2, 4	4, 8a, 6b	
Used as laboratory agent	NACE code M 74 - Other professional, scientific and technical activities	0-2	21	15	8d	
Use of processing aids	processing aids (e.g. metal and plastic moulding application, laboratory agents); UCN code R05000 - reduction agents	3,22	0 , 20,21	4, 7, 10, 11, 13, 15, 19, 26	4, 6b, 8a, 8b, 8e	
Mining	Stabilisation in mining and quarries	2	10, 14, 19, 32, 40	0, 1, 2, 3, 4, 5, 8, 26	2, 5, 8c, 8f	
De-icing agent	De-icing of roads and runways surfaces; NACE E38.2	0-2, 22	4	8a, 23	8e	
Manufacture and application of powder coatings, all other coatings and inks	manufacture and industrial, professional and consumer application of coatings and inks	3, 10, 22	18	1, 2, 3, 5, 7, 8a, 8b, 9, 10, 11, 13, 19	2, 4, 5	