ENVIRONMENTAL IMPACTS OF 1 TON CRUSHED LIMESTONE ROCK PRODUCTION

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TABLE 2. LCIA RESULTS OF LIMESTONE QUARRYING OPERATION USING IMPACT 2002+ BY IMPACT CATEGORY

Impact category	Unit (characterization)	
Carcinogens	0.0193	kg C_2H_3Cl eq.
Non-carcinogens	0.0148	kg C_2H_3Cl eq.
Respiratory inorganics	0.002 26	kg PM 2.5 eq.
Ionizing radiation	34	Bq C-14 eq.
Ozone layer depletion	1.75×10^{-7}	kg CFC-11 eq.
Respiratory organics	0.000 599	kg C_2H_4 eq.
Aquatic ecotoxicity	47.2	kg TEG water
Terrestrial ecotoxicity	16	kg TEG soil
Terrestrial acid/nutri	0.0517	kg SO_2 eq.
Land occupation	0.0426	m^2 org.arable
Aquatic acidification	0.0143	kg SO_2 eq.
Aquatic eutrophication	0.000 137	kg PO_4 P-lim
Global warming	2.76	Kg CO_2 eq.
Non-renewable energy	79.6	MJ

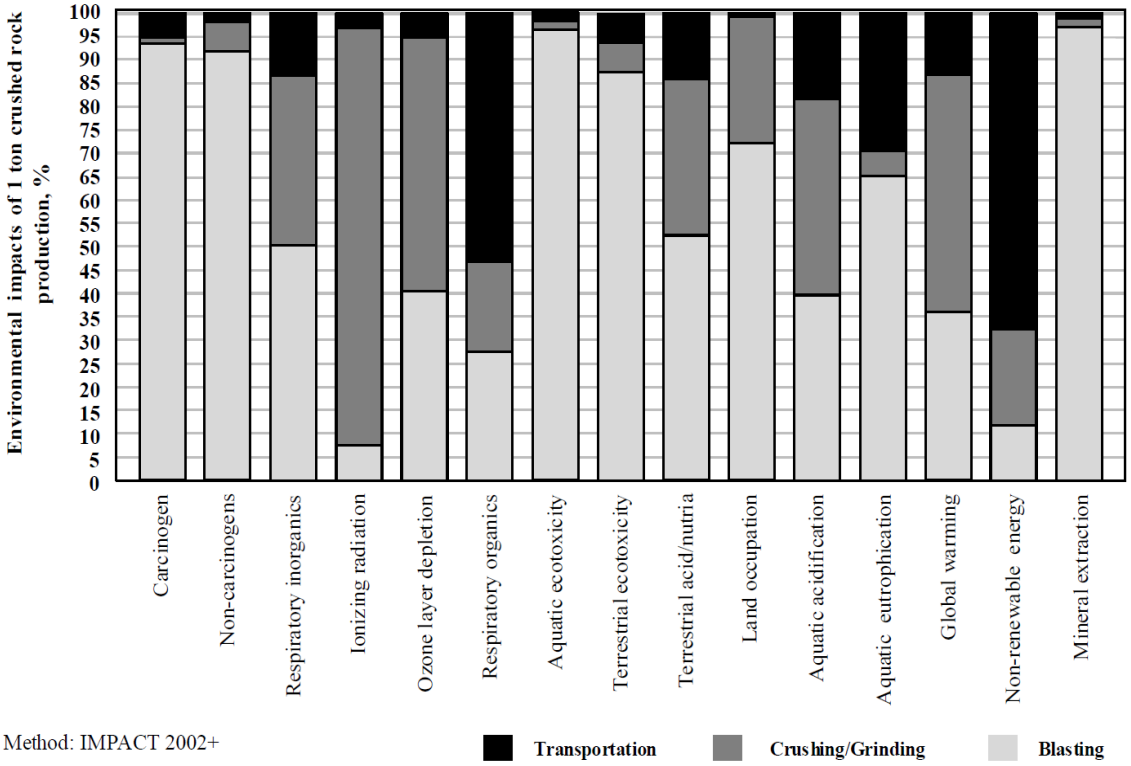

Fig. 6. Characterization of environmental impacts of 1 ton crushed limestone rock production by IMPACT 2002+, %.