

Component	Aquatic toxicity	Global warning potential [kg CO₂-eq /kg]	Inhalation effects	Contact effects	Flammability
<i>CaCl₂</i>	Should not be released into the environment	0.89	May cause severe irritation of the upper respiratory tract with pain, burns, and inflammation	Contact with eyes may cause severe irritation, and possible eye burns. Contact with skin causes irritation and possible burns, especially if the skin is wet or moist	Nonflammable substance. Use agent most appropriate to extinguish surrounding fire
<i>CaCO₃</i>	Should not be released into the environment	0.01	Inhaling calcium carbonate can irritate the nose, throat and lungs causing coughing	Contact can irritate the skin and eyes	Is not combustible. When heated to decomposition it emits an acid smoke and irritating vapors. Use dry chemical, CO ₂ , water spray or foam as extinguishing agents
<i>CaO</i>	Avoid release to the environment	0.15	Breathing <i>CaO</i> , can irritate the lungs causing coughing and shortness of breath. Higher exposures may cause a pulmonary edema. Long-term exposure can irritate the nose causing a hole in the bone dividing the inner nose and can cause brittle nails and thickening of the cracking of the skin.	<i>CaO</i> can severely irritate and burn the skin and eyes with possible eye damage	Substance is nonflammable and non-combustible but is water reactive. Water must not be used as extinguishing media for safety reasons

$Ca(OH)_2$	Should not be released into the environment	Not specified	Breathing $Ca(OH)_2$ can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath	Contact can severely irritate and burn the skin and eyes with possible eye damage	Negligible fire hazard. Use water spray, dry chemical, carbon dioxide, or chemical foam for extinguishing purposes
CO_2	Prevent further leakage or spillage if safe to do so	1	Low to medium concentrations can affect blood circulation, affect acidity of body fluids and respiratory difficulties. At high concentrations, can cause unconsciousness/death	No effects	Contains gas under pressure; may explode if heated
Na_2CO_3	Prevent from reaching drains, sewers or waterway. Collect contaminated soil for characterization	0.59	None	Causes serious eye irritation.	Negligible fire hazard. May be combustible at high temperatures. Use water spray, dry chemical, carbon dioxide, or chemical foam for extinguishing purposes.
$NaHCO_3$	Should not be released into the environment	1.17	May cause respiratory tract irritation. May be harmful if inhaled.	Causes eye irritation. Causes skin irritation. May be harmful if absorbed through the skin. May be harmful if swallowed. Causes gastrointestinal tract irritation.	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes Use water spray, dry chemical, carbon dioxide, or chemical foam
$NaCl$	Should not be released into the environment	0.20	May cause respiratory tract irritation. May be harmful if inhaled.	May cause eye irritation. Exposure to solid may cause pain and redness. May cause skin irritation. May	Negligible fire hazard. May be combustible at high temperatures. Use water spray, dry

				<p>be harmful if absorbed through the skin.</p> <p>May cause irritation of the digestive tract. May be harmful if swallowed. Ingestion of large amounts may cause nausea and vomiting, rigidity, or convulsions. Continued exposure can produce coma, dehydration, and internal organ</p>	<p>chemical, carbon dioxide, or chemical foam.</p>
CH_4	Prevent further leakage or spillage if safe to do so.	28	None	None	<p>Extremely flammable gas.</p> <p>Contains gas under pressure; may explode if heated.</p> <p>Suitable extinguishing media: Water, dry powder, foam</p>