

## *Substances That Affect The Explosiveness Of Volcanic Eruptions*

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### Substances That Affect The Explosiveness

What are 3 substances that affect the explosiveness of volcanic eruptions? Amount of dissolved gasses in a liquid, the silica content, and the viscosity of the magma. share with friends.

### What are the Substances that affect the explosiveness of ...

This is usually caused by higher silica (Si) in the magma. Volatiles-these are things that are dissolved at depth and then expand into gases at the surface, causing explosiveness. These include H<sub>2</sub>O, CO<sub>2</sub>, CH<sub>4</sub>, Cl, and SO<sub>2</sub>. Source(s):

### Substances that affect the explosiveness of volcanic ...

The volcanic eruptions affect the climate through the gases and the dust particles that are thrown into the atmosphere during the eruptions.

### What are 3 substances that affect the explosiveness of ...

Answers. The main thing that affects this is the depth of the heat source. There is a volcano called Reventador when translated it means exploding volcano. It is much deeper about 25 to 30 miles deep. Most are about 10 miles deep. If you can imagine the rock combinations that form at that depth, when it comes to the surface it actually explodes.

### What are the substances that affect the explosiveness of ...

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substances that affect the pdf "THE CONTROLLED SUBSTANCE, DRUG, DEVICE AND COSMETIC ACT"  
Act of 1972, P.L. 233, No. 64 AN ACT Relating to the manufacture, sale and possession of controlled substances, other drugs, devices and

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Some chemical reactions are fast; others are slow. Sometimes chemists want to speed the slow ones up and slow the fast ones down. There are several factors that affect the speed of a reaction: Nature of the reactants. Particle size of the reactants. Concentration of the reactants. Pressure of gaseous reactants. Temperature.

### What Factors Affect the Speed of Chemical Reactions ...

High temperature=low viscosity. Low temperature=high viscosity. How does composition (silica content) affect the viscosity of magma. A magma with low silica (<45%) will be runny and so the eruption will not be explosive. A magma with high silica (>60%) will be quite viscous and so the eruption will be violent.

### physical geology ch.5 volcanoes Flashcards | Quizlet

A pyrotechnic substance is a substance or mixture of substances designed to produce an effect by heat, light, sound, gas or smoke or a combination of these as the result of non-detonative self-sustaining exothermic chemical reactions. An explosive article is an article containing one or more explosive substances.

### Chapter 15: EXPLOSIVES DEFINITIONS

An explosive (or explosive material) is a reactive substance that contains a great amount of potential energy that can produce an explosion if released suddenly, usually accompanied by the production of light, heat, sound, and pressure. An explosive charge is a measured quantity of explosive material, which may be composed of a single ingredient or a combination of two or more.

### Explosive - Wikipedia

In contrast, a chemical that is not highly toxic can be lethal if a large amount is ingested. It should

be noted that not all chemicals are considered hazardous. Examples of nonhazardous chemicals include pH neutral buffers, sugars, starches, agar, and naturally occurring amino acids.

### **Chemical and Hazardous Materials Safety**

Volcanic Eruptions. Non explosive eruptions are favored by low gas content and low viscosity magmas (basaltic to andesitic magmas). If the viscosity is low, non-explosive eruptions usually begin with fire fountains due to release of dissolved gases. When magma reaches the surface of the earth,...

### **Volcanoes, Magma, and Volcanic Eruptions - Tulane University**

The kidneys filter substances out of the blood and excrete them in urine. Also, chemicals are removed from the body in feces, sweat and exhalation. However, the body may not be able to remove all the chemicals. The amount, type, and length of time you are exposed to harmful substances will determine if you are at risk for adverse health effects.

### **Health Effects from Chemical Exposure | Hazardous ...**

substance defined in the HSNO Act as a hazardous substance. This means that under the RMA hazardous substances can encompass a wider range of substances, and hazardous properties, than under HSNO. For example, a local authority could define environmentally damaging substances which are not classified as toxic or eco-toxic under HSNO as

### **Plan Topics - qualityplanning.org.nz**

Volcanic Gases. Introduction. Understanding gases dissolved in magma is critical in understanding why volcanoes erupt. Bodies of magma rise in the crust until they reach a point of neutral buoyancy. The expansion of gases brings the magma closer to the surface and drives eruptions.

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