



Sodium Cyanide Tech Information

GENERAL

Product name & description	SODIUM CYANIDE, HYDROCYANIC ACID SODIUM SALT	 
	<i>Sodium cyanide is a highly toxic chemical compound. Immediate medical attention is required in all events of cyanide poisoning as it is quickly fatal.</i>	
Applications	Sodium cyanide works as a depressant to extract gold and other precious metals from ore.	
Sales representative	LMS Canada	

CHEMICAL INGREDIENT

Main ingredient	NaCN 94 – 98%,
Other	NaOH ≤ 1.0%, Na ₂ CO ₃ ≤ 2.0%, water ≤ 2.0%, insoluble substance ≤ 0.1%
M.W.	49.01
Purity grade	Industrial, HG3255-2001

TECHNICAL DATA

Physical state	Solid
Appearance	White granular powder
Odour	Bitter almonds but not everyone can smell.
Vapor pressure	0.76 mmHg at 800 °C
Melting point	Approx 564 °C
pH value	12 - 14
Special gravity	1.596 g/cm ³
Auto-ignition temperature	Approx 538 °C
Chemical stability	Stable when dry. Moisture will cause slow decomposition, releasing toxic hydrogen cyanide gas.
Solubility in water	48 g/100 ml at 10 °C
Incompatible conditions and substances	Heat, moisture, strong acids and strong oxidizing agents
Reactivity, and under what conditions	Emits toxic fumes of cyanide and oxides of nitrogen when heated to decomposition. Reacts with acids in air can liberate toxic and combustible hydrogen cyanide gas. Strong reaction with nitrites and chlorates may pose explosive hazards.

PACKAGE & STORAGE

Package & storage	Store in sealed mater container with plastic lining, store in a separated, dry and cool area with adequate ventilation. Keep away from sources of ignition and direct sunlight, isolate from strong acids and strong oxidizing agents.
Shipping requirement	Handle with care during shipping to protect package form being damaged. Transportation equipment can only take the indicated routes, no stops allowed.

TOXICOLOGICAL PROPERTIES

Refer to MSDS of product.

Note: The information above is based on technical data provided by the manufacturer and those publications available. It is subject to change or update without notice.