

PUBLIC HEALTH ADVISORY – CRACK COCAINE TEMPERATURES & SAFETY DATA

From Marie Landry's Spy Shop

marielandryspyshop.blogspot.com



PURPOSE

This document is a private public service announcement (PSA) from Marie Landry's Spy Shop, based on available scientific data, and is intended for educational, medical, and harm-reduction purposes only. No illegal activity is endorsed.



CRITICAL TEMPERATURE DATA

Freebase Cocaine Melting Point:

≈ 98°C (208°F)

[Source: https://www.erowid.org/chemicals/cocaine/cocaine_info7.shtml]

Cocaine Hydrochloride Melting Point (for reference):

≈ 197°C (386°F)

[Source: <https://pubchem.ncbi.nlm.nih.gov/compound/Cocaine-hydrochloride>]

Cocaine Base Boiling/Vaporization Range:

≈ 150–190°C (302–374°F)

[Multiple lab references; vaporization begins before combustion]

Crack Cocaine Ignition/Combustion Threshold:

350°C (662°F)

(risk of pyrolysis producing carcinogenic or neurotoxic byproducts)

[Source: <https://www.sciencedirect.com/science/article/abs/pii/S0021967316308431>]



HEALTH RISKS FROM HIGH-TEMPERATURE COMBUSTION

Combusting crack cocaine at or above 350°C can generate:

Benzene

Toluene

Carbon monoxide

Methylecgonidine (a toxic pyrolysis product)

Heavy metal contamination (from pipes or makeshift devices)

These compounds can:

Increase neurotoxicity

Damage lungs and cardiovascular system

Elevate risk of cancer and stroke

Aggravate mental health crises and seizures

[Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1763315/>]



SAFER USE TEMPERATURE GUIDANCE (EDUCATIONAL ONLY)

While no use is safe, temperature-controlled vaporizers and harm-reduction strategies reduce combustion risks.

Ideal harm-reduction vaporization range:

150–190°C (302–374°F)

(Note: difficult to control with makeshift devices or open flame)

Do not exceed:

250°C (482°F) – combustion and toxin release begin to rise sharply beyond this point.



MATERIAL SAFETY NOTES

Aluminum foil, copper wire, and steel wool often used in illicit paraphernalia may leach metals when heated above 200°C.

This introduces additional toxicity and long-term health risks.

[Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3884810/>]



WARNING

The act of smoking crack cocaine carries severe legal, physiological, and psychological consequences. While this document is shared for scientific and health education purposes, any use of controlled substances outside of medical or licensed clinical settings remains illegal and dangerous. Consult medical professionals and harm-reduction organizations if in need.

Source Attribution:

Erowid: https://www.erowid.org/chemicals/cocaine/cocaine_info7.shtml

PubChem: <https://pubchem.ncbi.nlm.nih.gov/compound/Cocaine-hydrochloride>

NCBI: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1763315/>

ScienceDirect: <https://www.sciencedirect.com/science/article/abs/pii/S0021967316308431>

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For ethical intelligence, research, and harm-reduction data dissemination.