

# sodium palmitate

<b>Other names:</b>	«delta»-Sodium palmitate
<b>Inchi:</b>	InChI=1S/C16H32O2.Na/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16(17)18;/h2-15H2,1H3,
<b>InchiKey:</b>	GGXKEBACDBNFAF-UHFFFAOYSA-M
<b>Formula:</b>	C16H31NaO2
<b>SMILES:</b>	CCCCCCCCCCCCCCCC(=O)[O-].[Na+]
<b>Mol. weight [g/mol]:</b>	278.41
<b>CAS:</b>	408-35-5

## Physical Properties

Property code	Value	Unit	Source
ss	472.80	J/mol×K	NIST Webbook
ss	499.20	J/mol×K	NIST Webbook
ss	500.80	J/mol×K	NIST Webbook
ss	518.40	J/mol×K	NIST Webbook
ss	474.50	J/mol×K	NIST Webbook
ss	476.10	J/mol×K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	449.40	J/mol×K	298.15	NIST Webbook
cps	495.00	J/mol×K	298.15	NIST Webbook
cps	462.80	J/mol×K	298.15	NIST Webbook
cps	481.20	J/mol×K	298.15	NIST Webbook
cps	476.60	J/mol×K	298.15	NIST Webbook
cps	501.70	J/mol×K	298.15	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C408355&Units=SI>

# Legend

**cps:** Solid phase heat capacity  
**ss:** Solid phase molar entropy at standard conditions

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