

Acetamide, nitrate

Inchi: InChI=1S/C2H5NO.HNO3/c1-2(3)4;2-1(3)4/h1H3,(H2,3,4);(H,2,3,4)
InchiKey: SLJICQUROTUNOJ-UHFFFAOYSA-N
Formula: C2H5NO.HNO3
SMILES: CC(N)=O.O.O=[N+](O-)[O-]
Mol. weight [g/mol]: 122.08
CAS: 75238-15-2

Physical Properties

Property code	Value	Unit	Source
ss	210.50	J/molxK	NIST Webbook
ss	210.50	J/molxK	NIST Webbook
tf	361.00	K	NIST Webbook
tf	361.00	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	175.00	J/molxK	298.15	NIST Webbook
cps	175.00	J/molxK	298.15	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C75238152&Units=SI>

Legend

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

tf: Normal melting (fusion) point

Latest version available from:

<https://www.cheméo.com/cid/124-675-5/Acetamide-nitrate.pdf>

Generated by Cheméo on 2024-05-03 11:31:28.09360311 +0000 UTC m=+17025137.014180422.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.