

Ammonium hydrogen oxalate hemihydrate

Inchi:	InChI=1S/2C2H2O4.2H3N.H2O/c2*3-1(4)2(5)6;;;/h2*(H,3,4)(H,5,6);2*1H3;1H2
InchiKey:	LRFVZPMSSZVHGG-UHFFFAOYSA-N
Formula:	C4H10N2O8.H2O
SMILES:	O.O=C([O-])C(=O)O.O=C([O-])C(=O)O.[NH4+].[NH4+]
Mol. weight [g/mol]:	232.15
CAS:	37541-72-3

Physical Properties

Property code	Value	Unit	Source
ss	189.24	J/mol×K	NIST Webbook
ss	189.24	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	166.91	J/mol×K	298.15	NIST Webbook
cps	166.91	J/mol×K	298.15	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C37541723&Units=SI>

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/15-856-5/Ammonium-hydrogen-oxalate-hemihydrate.pdf>

Generated by Cheméo on 2025-12-05 18:29:45.542872041 +0000 UTC m=+4707583.072912705.

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