

Ammonium Dinitrate

Other names:	ammonium dinitramide ammonium dinitramide (ADN) nitramide, N-nitro-, ammonium salt (1:1) nitramide, nitro-, ammonium salt nitronitramide ammonium salt
Inchi:	InChI=1S/HN3O4.H3N/c4-2(5)1-3(6)7;/h1H;1H3
InchiKey:	OGTKRUYCBGJWBV-UHFFFAOYSA-N
Formula:	H4N4O4
SMILES:	N.O=[N+][O-]N[N+](=O)[O-]
Mol. weight [g/mol]:	124.06
CAS:	140456-78-6

Physical Properties

Property code	Value	Unit	Source
tf	366.45	K	HP-DSC study of energetic materials. Part I. Overview of pressure influence on thermal behavior

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C140456786&Units=SI>

HP-DSC study of energetic materials. Part I. Overview of pressure influence on thermal behavior: <https://www.doi.org/10.1016/j.tca.2016.03.018>

Legend

tf: Normal melting (fusion) point

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