1,3-Diaminopropane

1,3-Diaminopropane · RS-13DAP · CAS 109-76-2 · Technical Data Sheet · RawSource · rawsource.com/product/1-3-diaminopropane/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
109-76-2	RS-13DAP	Aliphatic diamine · intermediate and epoxy curing agent

1,3-Diaminopropane is an intermediate and hardener supplied as a colorless to pale yellow clear liquid with a characteristic strong amine odor. It is stable and hygroscopic, and highly soluble in water, methanol and ethyl ether.

DISTRIBUTED BY
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Product page: rawsource.com/product/1-3-diaminopropane/
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GENERAL INFORMATION

Chemical name	1,3-Diaminopropane
Molecular formula	$C_3H_{10}N_2$

TYPICAL PROPERTIES

Density	0.87 – 0.91 g/cm³ @ 25 °C

Typical values are representative of the product and are not specifications.

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless to pale yellow clear liquid	Conform
Content	99 % min	99.67 %
Dipropylenetriamine	0.10 % max	0.01 %
Color, Pt-Co	10 max	3.5
Moisture	0.50 % max	0.49 %
Amine Value	1,400 mg KOH/g min	1,502 mg KOH/g

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

APPLICATIONS

- Epoxy curing agent
- Polyurea intermediate
- Organic synthesis intermediate, including for rubber vulcanization
- Raw material for fuel additives, water treatment chemicals and metal anti-corrosion agents (steel and optical glass surfaces)
- Processing auxiliaries for the paper, textile and leather industries

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Store in a cool, dry, well-ventilated place.
- Keep away from fire, sparks and heat sources.
- The storage temperature should not exceed 35 °C.
- Keep containers tightly sealed.
- Store separately from oxidizing agents and acids.

PACKAGING AND SHELF LIFE

- 180 kg steel drums
- IBC
- bulk
- Shelf life: 12 months from production date and under original sealed conditions.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.