

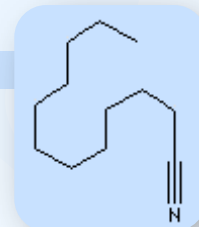
DODECANENITRILE

SYNONYMS

1-Cyanoundecane; Decylacetonitrile; Dodecane nitrile; Dodecanonitrile; Lauric acid nitrile; Lauric nitrile; Lauronitrile; Undecyl cyanide; Lauronitrile;

PRODUCT IDENTIFICATION

CAS RN	2437-25-4; 891491-24-0
EINECS RN	219-440-1
FORMULA	$\text{CH}_3(\text{CH}_2)_{10}\text{CN}$
MOLE WEIGHT	181.32



PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Clear liquid
MELTING POINT	3- 4 C
BOILING POINT	277 C
DENSITY	0.821 – 0.825
SOLUBILITY IN WATER	Insoluble (soluble in alcohol)
pH	
VAPOR DENSITY	
REFRACTIVE INDEX	1.4330 - 1.4380
FLASH POINT	113 C

STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions.
INCOMPATIBLE MATERIALS	Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents
DECOMPOSITION PRODUCTS	Carbon oxides, nitrogen oxides
POLYMERIZATION	Has not been reported
NFPA RATINGS	Health: 0; Flammability: 1; Instability: 0

SAFETY

HAZARD NOTES	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Harmful by inhalation, in contact with skin and if swallowed.
EYE	May cause eye irritation.
SKIN	May be harmful if absorbed through skin. May cause skin irritation.
INGESTION	May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
INHALATION	May be harmful if swallowed.
CHRONIC	

TRANSPORT & REGULATORY INFORMATION

UN NO.	3276
HAZARD CLASS	6.1
PACKING GROUP	III
HAZARD SYMBOL	XN
RISK PHRASES	20/21/22
SAFETY PHRASES	36

OTHER INFORMATION

A saturated fatty nitrile useful as a fragrance ingredient (cosmetics, cleaner, detergent, personal care)



DODECANENITRILE

products, shampoo) but not for flavor use.

Odor description: Citrus, Zesty, fatty

SALES SPECIFICATION

APPEARANCE	Clear oily liquid
ASSAY	98.0% min (GC)
SPECIFIC GRAVITY	0.821 – 0.825
REFRACTIVE INDEX	1.4330 - 1.4380

PACKING

PRICE

