

# Substance Details Report

January 10, 2017

## Core Metadata

<b>Substance Type</b>	Chemical Substance	<b>Internal Tracking Number</b>	7344
<b>EPA Registry Name</b>	Isobutyronitrile	<b>Substance Status</b>	Approved
<b>EPA Registry Name List</b>	Chemical Identification		
<b>Systematic Name</b>	Propanenitrile, 2-methyl-		
<b>Systematic Name List</b>	Chemical Abstracts Index Name		
<b>Preferred Acronym</b>			
<b>CAS Number</b>	78-82-0		
<b>EPA Identification Number</b>			
<b>TSN Number</b>			
<b>Kingdom</b>			
<b>ICTVDB</b>			
<b>Molecular Formula</b>	C4H7N		
<b>Molecular Weight</b>	69.11		
<b>Comment/Description</b>			

## Definition

## Classifications

### Associated Identifiers

There is no information about former or incorrectly used identifiers.

## Structure

Notation	Notation Type
N#CC(C)C	SMILES

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## Synonym

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance.

### Statutes/Regulations

Statutes/Regulations	Synonym	Synonym Quality	Effective Date	End Date
2016 CDR TSCA Inv	Isobutyronitrile	Valid		
CAA 112R	Propanenitrile, 2-methyl-	Valid	01/31/1994	
CAA 112R	Isobutyronitrile	Valid	01/31/1994	
EPCRA 302	Isobutyronitrile	Valid	11/17/1986	
TSCA Inv	Propanenitrile, 2-methyl-	Valid		

### EPA Applications/Systems

EPA Application/System	Synonym	Synonym Quality	Effective Date	End Date
2012 CDR	Isobutyronitrile	Valid		
2012 CDR	Propanenitrile, 2-methyl-	Valid		
CAMEO Chemicals	Isobutyronitrile	Valid		
CERCLIS3	Isobutyronitrile	Valid		
EIS	2-Methyl-propanenitrile	Valid	01/01/1970	12/31/2005
ERNS	2-Methylpropionitrile	Valid		
ERNS	Isobutyronitrile	Valid		
ERNS	Isopropyl cyanide	Valid		
GCES	Propanenitrile, 2-methyl-	Valid		
HPVC List	Isobutyronitrile	Valid		
HPVIS	Propanenitrile, 2-methyl-	Valid		
ICIS-Air	Isobutyronitrile	Valid		
RMP*Info	Propanenitrile, 2-methyl-	Valid		
RMP*Info	Isobutyronitrile	Valid		

### Other Sources

Other Sources	Synonym	Synonym Quality	Effective Date	End Date
CA Index	Propanenitrile, 2-methyl-	Valid		
CFATS	Isobutyronitrile	Unknown	08/08/2013	

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Other Sources	Synonym	Synonym Quality	Effective Date	End Date
CUS86	Isobutyronitrile	Valid		
CUS90	Isobutyronitrile	Valid		
CUS94	Isobutyronitrile	Valid		
CUS98	Propanenitrile, 2-methyl-	Valid		
ChemIDStd	Isobutyronitrile	Valid		
FDA	ISOBUTYRONITRILE	Unknown		
HSDB	2-Methylpropanenitrile	Valid		
NJ-RTK-HS	Isobutyronitrile	Valid		

## Ad Hoc List

Ad Hoc List	Synonym	Synonym Quality	Effective Date	End Date
AEGL	Isobutyronitrile	Unknown		

## EPA Synonyms

There are no Synonyms of this type.

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## Component Of

Systematic Name	Synonym	CAS Number	TSN	EPA Identifier	Effective Date	End Date
Volatile organic compounds	VOCs			E761346		

## Related References

<http://www.cdc.gov/niosh/docs/1970/78-212.html>  
[http://www.osha.gov/dts/chemicalsampling/data/CH\\_247960.html](http://www.osha.gov/dts/chemicalsampling/data/CH_247960.html)  
<http://nj.gov/health/eoh/rtkweb/documents/fs/1054.pdf>  
<http://chem.sis.nlm.nih.gov/chemidplus/direct.jsp?regno=78-82-0&result=advanced>  
<http://fdasis.nlm.nih.gov/srs/srsdirect.jsp?regno=699AWF2WV2>  
<http://chem.sis.nlm.nih.gov/chemidplus/direct.jsp?regno=0000078820>