

 synerzine TM	Title:	1036M Product Specification		
	Document #:	02-1006	Rev #:	000
	Status:	ACTIVE	Date Issued:	06/21/2013

Product Identifiers

Product Name:	2-BUTYL-3,5(6)-DIMETHYL-PYRAZINE MIXTURE
---------------	--

Synerzine Item #	1036M	CAS #	40790-29-2	FEMA #	NA
------------------	--------------	-------	------------	--------	----

Material Properties

Molecular Formula	C10H16N2	Flash Point (°F, CC)	175
Molecular Weight	164.2	Boiling Point	at 30mm 180°F
Shelf Life (days)	730	Physical State	Liquid

Solubility	Insoluble in water; soluble in alcohols.
Storage and Stability	Store in fully closed container in cool (~20°C) dry place. Stable for years, with slight development of discoloration.
Handling Precautions	Avoid contact of eyes and skin. In case of contact, flush copiously with water. Keep away from heat and flame.

Specified Critical Limits

Critical Property	Test Method	UOM	Lower Limit	Upper Limit
Color	Visual Analysis	None	Water-white	Amber
Odor	Organoleptic Analysis	None	Sweet, earthy	
Chemical Purity	Gas Chromatography	% Isomeric Sum	98.0%	100.0%
Density	Density Analysis	g/cm ³ @ 20°C	0.930	0.940
Refractive Index	Refractometric Analysis	nD20	1.490	1.498

Notes

CAS # Two isomers: (A) 2-Butyl-3,5-Dimethylpyrazine CAS# 50888-63-6 (~50%)
 (B) 2-Butyl-3,5-Dimethylpyrazine CAS# 40790-29-2 (~50%)

This specification was generated electronically, and is therefore unsigned.