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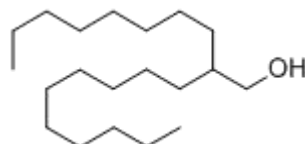
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Technical Data Sheet

2-Octyl-1-dodecanol

Product Information

Product name	2-Octyl-1-dodecanol
Synonyms	2-Octyl Dodecanol
CAS No.	5333-42-6
EINECS	226-242-9
M.F.	C ₂₀ H ₄₂ O
M.W.	298.55
Chemical structure	



Physical Properties

Colorless or yellowish clear liquid	
-Density	0.838 g/mL at 25°C
-Melting Point	-1 ~ 1°C
-Boiling Point	234-238°C at 33 mm Hg
-Flashing Point	113°C
-Refractive Index	1.453

Specification

<u>Items</u>	<u>Specification</u>
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Appearance	Colorless or yellowish, clear liquid
Relative density	0.835 ~ 0.845
Refractive index	1.4535 ~ 1.4555
Optical rotation	-0.1° ~ +0.1°
Water (by KF)	≤0.1%
Acid value	≤0.1mgKOH/g
Hydroxyl value	175~ 190mgKOH/g
Iodine value	≤1mgKOH/g
ester value	≤1mgKOH/g
Carbonyl value	≤0.3mgKOH/g
Assay	≥90% or ≥95%

Safety

2-Octyl-1-dodecanol is a stable material, not dangerous on transportation
Always refer to the Material Safety Data Sheet (MSDS)

Applications

1) Advanced lubrication

2-octyl dodecanol dehydration with cyclopentadiene alkylation reaction in the hydrogenation, generate 2 - octyl dodecyl cyclopentane. It is a kind of new type of synthetic lubricants naphthene new products.

2) Surfactant

2-octyl dodecanol can be used as defoaming agent composition (detergents, hard surface cleaner, paper/leather production)

3) Personal Care

2-octyl dodecanol used for synthesis of 2-octyldodecyl myristate & Octyldodecyl stearyl stearate. It is widely used for facial cleanser, cream, liquid cream formula.

4) Biological medicine

2-octyl dodecanol used a medicinal ointment and medicated cream cream in the transdermal active ingredients

Packaging

170kg per iron drum; 13.6MT packing in one 20'ft containers

Storage & Handling

Store in under normal temperature cool place. Keep container tightly closed in a dry and well-ventilated place. After opening the sealed packaging barrels must carefully again and stand to avoid leakage.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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