

# ISOCARB 24 Acid

## Technical Data Sheet



SASOL

### Description

Sasol Chemicals ISOCARB acids are primary, saturated carboxylic acids with defined branching of the carbon chain. These products are derived from the oxidation of Guerbet alcohols and are available with even numbered carbon chain lengths of 12 to 32.

### Applications

- ISOCARB acids are used as raw materials and intermediates in many specialized applications:
  - Esters
  - Betaines
  - Ethoxylates
  - Amides
- Metalworking and lubrication:
  - ISOCARB acids can be used as a corrosion inhibitor when formulating lubricating oils and greases in industrial and automotive applications.
  - ISOCARB acids can be used, neutralized, as ingredient of soluble and synthetic metal-working fluids or in water-based degreasers due to their very good anticorrosion properties.
- Inks, Paints & Coatings
- Cosmetic Agents

### Properties

Typical physical properties are listed in the table to the right. Actual properties will vary from lot to lot.

### Contact information

For technical information:

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Typical Properties	ISOCARB 24 Acid
Avg. Molecular Weight, g/mol	368
Purity, wt. %	95.0 min.
Water, wt. %	0.1 max.
Acid Number, mg KOH/g	144 – 154
Color, APHA	50 max.
Density, g/mL @ 60°C	0.894 – 0.900
Flash Point, °C (°F)	234 (453)
Refractive Index @ 60°C	1.441
Melting Range, °C (°F)	46 – 50 (115 – 122)
Viscosity, mPa·s @ 60°C	21
Ester Number, mg KOH/g	3.0 max.
Hydroxyl Number, mg KOH/g	2.0 max.
Chemical Name	2-decyl-tetradecanoic acid
Appearance, room temperature	colorless solid

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