

ISOCARB 12 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 and their derivatives 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

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Typical Properties	ISOCARB 12 Acid
Avg. Molecular Weight, g/mol	200
Purity, wt. %	96.0 min.
Water, wt.%	0.1 max.
Acid Number, mg KOH/g	273 – 283
Color, APHA	30 max.
Density, g/mL @ 20°C	0.885 – 0.890
Flash Point, °C (°F)	157 (314)
Refractive Index @ 20°C	1.4393
Melting Range, °C (°F)	-13 – -9 (9 – 16)
Boiling Range, °C (°F)	270 – 298 (518 – 568)
Viscosity, mPa·s @ 20°C	26
Ester Value, mg KOH/g	1.0 max.
Chemical Name	2-butyl-octanoic acid
Appearance, room temperature	clear, colorless liquid

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