

## 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Trade Name:

**VAICO VA-011 Standard**

VAICO No.:

V60-0020, V60-0077, V60-0021, V60-0076, V60-0142

### 1.2. Informing department

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## 2. PROPERTIES

VAICO VA-011 is an economical corrosion inhibitor and anti-freeze agent concentrate for radiators in water-cooled vehicles. The product is free of nitrite, amines and phosphates. VAICO VA-011 provides excellent frost and corrosion protection all year round. The product does not have any negative effect on coolant hoses or cylinder head gaskets.

## 3. USE INSTRUCTIONS

VAICO VA-011 – mixed with the correct amount of water – is used as a coolant and thermal transfer fluid in internal combustion engines. The product is suitable for engines made in cast iron, aluminium and a combination of these two metals, and for cooling systems made from aluminium or copper alloys. We recommend maintaining a concentration of 50% (v/v) during all seasons.

Caution: Observe manufacturer instructions.

## 4. PERFORMANCE DATA

### 4.1. Compliant with:

ASTM D 3306

SAE J 1034

BS 6580:1992

TYPICAL VALUES	METHOD	UNIT	VAICO VA-011
Density at 20°C	DIN 51 757	g/cm <sup>3</sup>	1.120
Reserve alkalinity (pH 5.5)	ASTM D 1121	ml 0.1 n HCl	11
Boiling point	ASTM D 1120	°C	>163
pH	ASTM D 1287	-	7
COC flash point	DIN 51 758	°C	>120
Frost protection at 50% (v/v)	ASTM D 1177	°C	- 36
Colour bis(nonylphenyl)amine	-		yellow/light blue

The above values may vary within commercially accepted tolerances