

## Product Data Sheet

### ISO-Cold Cleaner HP 89/5 and HP 90/1

#### Description:

ISO-Cold Cleaners are halogen-free, water clear solvents for technical cleaning purposes. These products show good solving properties towards greases and oils. The evaporation of ISO-Cold cleaner HP 90/1 is comparable with those of solvents like methylene chloride or trichloroethylene.

In contrast to halogenated solvents the products are biodegradable and practical non-toxic.

Type HP 89/5 und HP 90/1 are different in polarity and therefore in their capability to dissolve impurities. The right cold cleaner can be found by pilot tests.

#### Processing:

ISO-Cold Cleaners clean grease and oil polluted metal, plastic and ceramic parts. The cleaners are applied undiluted by dipping, spraying or wiping with a cloth.

#### Technical Data:

properties	HP 89/5	HP 90/1	
chemical basis	hydrocarbons	isopropanol	
condition	liquid, low viscosity		
colour	water clear		
odour	mild	like alcohol	
evaporation number (ether = 1)	105	20	DIN 53170
boiling point	180 - 200°C	81 - 83°C	
density / 20°C	0.76 g/cm <sup>3</sup>	0.79 g/cm <sup>3</sup>	DIN 51757
ignition temperature	> 200°C	425°C	DIN 51794
flashpoint	60°C	22°C	

#### Packaging:

ISO-Cold Cleaners are delivered in metal or plastic packing material.

Please see material safety data sheet for additional information.

