

# FUTURE PROVED

GLOBAL METAL WORKING FLUID FOR AEROSPACE



LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



**GLOBAL PLATFORM**

# **ECOCOOL GLOBAL 10**

## THE NEW BENCHMARK IN AEROSPACE CUTTING FLUIDS

Metal working fluids are used throughout the aerospace machining industry for their cooling, lubricating, and corrosion resistant properties. Such fluids are typically made of complex mixtures of oils, detergents, surfactants, biocides, lubricants, anti-corrosion agents, and other ingredients.



High performance metal working fluids are essential for the metal machining industry. Growing global production is increasingly affected by national chemical registries, legislation and labeling requirements.

In response to these changing market demands FUCHS developed a novel chemical approach for a new generation of aerospace machining fluids.



ECOCOOL GLOBAL 10 is the culmination of many years of intensive research.



## GLOBAL PERFORMANCE

# ECOCOOL GLOBAL 10

## DESIGNED FOR THE ENTIRE AEROSPACE INDUSTRY

### INCREASED **PRODUCTIVITY**

A carefully developed blend of ingredients that impart high lubricity characteristics allow faster metal removal rates.

### LONG TOOL **LIFE**

A synergistic blend of lubricants that protect tools against wear for improved process reliability.

### LONG LIFE **SPAN**

Maintains pH and emulsion stability over extended service intervals.

### NON SKIN **IRRITATING**

Formulated using carefully selected ingredients with the worker in mind.

### LOW **IN-USE COST**

Low usage rates, easy maintenance & long service life combine to yield a low in-use/operating cost.

### FOR ALL **METAL APPLICATIONS**

Reduces inventory costs by rationalising production processes to a single coolant.

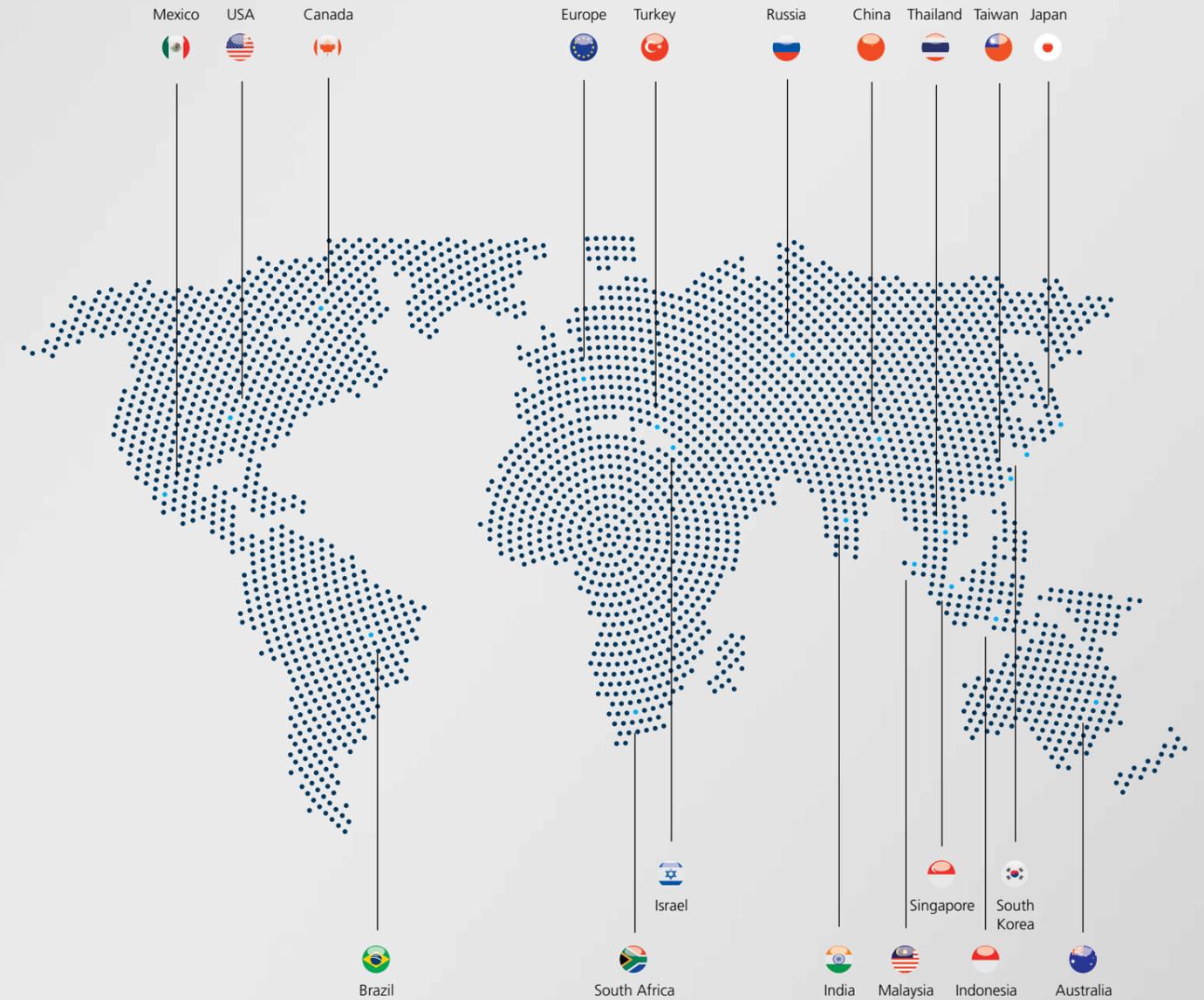
ECOCOOL GLOBAL 10 has been specifically formulated to exceed the unique performance challenges of the aerospace manufacturing industry while meeting chemical registration and legislative requirements of the world's leading manufacturing regions.

The development of ECOCOOL GLOBAL 10 was aimed to excel in both civil and defense applications.



## GLOBAL APPLICATION

# ECOCOOL GLOBAL 10 MEETS MAJOR GLOBAL CHEMICAL INVENTORY & LEGISLATION REQUIRE- MENTS



### FUTURE PROVED IN 19 INDUSTRIAL COUNTRIES

Today's modern business climate demands that parts be made at multiple manufacturing locations around the world.

ECOCOOL GLOBAL 10 is fully tested and verified to fulfill the local legislative and labelling requirements in the major aerospace manufacturing nations.

## GLOBAL **BENEFITS**

# ECOCOOL GLOBAL 10 UNIQUE COMBINATION OF TOP PERFORMANCE AND GLOBAL VERSATILITY

DOES THIS COOLANT  
MEET HIGH-PERFORMANCE  
REQUIREMENTS?

**YES IT DOES.**

ECOCOOL GLOBAL 10 has been specifically formulated to exceed the unique performance challenges of the aerospace manufacturing industry.

DOES ECOCOOL GLOBAL 10  
STAND ALONE IN THE FIELD  
OF CUTTING FLUIDS?

**YES IT DOES.**

ECOCOOL GLOBAL 10 has unique technology to ensure high performance, reliability and global availability.

CAN THIS COOLANT  
BE USED WORLDWIDE?

**YES.**

ECOCOOL GLOBAL 10 fulfills the local legislative and labeling requirements in the major manufacturing regions. Already, ECOCOOL GLOBAL 10 is ready-for-use in 19 countries.

DOES ECOCOOL GLOBAL 10  
PROVIDE LOWEST COST PER  
PART?

**YES IT DOES.**

ECOCOOL GLOBAL 10 supports high production rates, reduced tooling costs, low usage rates, low operating concentrations, easy maintenance & long service life. Low in-use/operating cost can be achieved.

IS ECOCOOL GLOBAL 10 FREE  
OF FORMALDEHYDE-BASED  
BIOCIDES?

**YES IT IS.**

The unique formulation is free of formaldehyde-based biocides. In addition, it does not contain boric acid, chlorinated paraffins, silicone, secondary amines, triethanolamine, and chemicals restricted by major aerospace manufacturers.

## GLOBAL **RELIABILITY**

# ECOCOOL GLOBAL 10 DEVELOPED BY THE SPECIALISTS FOR INDUSTRIAL FLUIDS – WORLDWIDE

FUCHS PETROLUB SE, headquartered in Germany, is a globally operating corporation, and the world's leading supplier of lubricants among the independent companies.

In addition to coolants, FUCHS PETROLUB SE offers lubricants for hundreds of applications to many industries including aerospace, motor vehicle manufacturing, transportation, mining, steel, and agriculture.

FUCHS Worldwide



Founded: **1931**

Sales revenues: **EUR 1.8 billion**

Employees: **3,888**

31 production facilities

No.1 in the world among independent lubricant companies





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