



Quaker Chemical

TECHNICAL DATA

QUAKER 3755 BIO

MACHINING AND GRINDING FLUID CONCENTRATE

Application:

QUAKER 3755 BIO is a versatile, general purpose, semi-synthetic, machining and grinding fluid. It is suitable for use on a wide range of metal removal operations for both ferrous and aluminium alloys.

Usage:

QUAKER 3755 BIO is mixed with water at 2 – 10% concentration to form a milky emulsion. The exact concentration required will depend on the severity of the application. The product is suitable for use in waters up to 300ppm CaCO₃ hardness.

Benefits:

- Provides stable lubrication for high quality surface finish.
- Excellent corrosion protection for the machined parts, DIN chip <3%.
- Leaves no sticky residues on the workpiece.
- Biostatic.
- Triazine free.
- Contains no Phosphorous, Sulphur or Chlorine.
- Low environmental impact, meets WGK class 1.

QUAKER CHEMICAL (AUSTRALASIA) PTY LIMITED

A.C.N 000 465 949

POSTAL ADDRESS: P.O BOX 255, SEVEN HILLS, NSW 1730

TELEPHONE: (02) 9624 2388, FAX: (02) 9624 5590

The information contained and recommendations made in this data sheet are based upon data collected and believed by us to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made herein with respect to the merchandise described and we assume no responsibility for the results of the use thereof.



TECHNICAL DATA

Compatibility:

Quaker 3755 Bio is compatible with most seal, hose and packing polymers designed for use with petroleum based lubricants. However for advice regarding specific materials contact the material supplier or Quaker Chemical Laboratory.

The product is compatible with all metals commonly found in metalworking coolant systems and machines.

Safety:

The measures to be taken to ensure the protection of health and safety at the workplace are described in the Material Safety Data Sheet (MSDS). A MSDS is sent at the first delivery and regularly updated. Due to the variation in national legislation the MSDS can change for different countries.

Storage:

If the following criteria are adhered to, the product can be stored for at least six months.

Maximum recommended long-term storage temperature : 40°C.

Minimum recommended long-term storage temperature : 0°C.

Keep drums/containers tightly closed when not in use. Store containers/drums in a dry and well ventilated area.

Quality Assurance:

Quaker Chemical assures that the delivered product is produced within manufacturing specifications. A certificate, containing these manufacturing specifications and the results for the delivered material, is available on request.

QUAKER CHEMICAL (AUSTRALASIA) PTY LIMITED

A.C.N 000 465 949

POSTAL ADDRESS: P.O BOX 255, SEVEN HILLS, NSW 1730

TELEPHONE: (02) 9624 2388, FAX: (02) 9624 5590

The information contained and recommendations made in this data sheet are based upon data collected and believed by us to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made herein with respect to the merchandise described and we assume no responsibility for the results of the use thereof.



Quaker Chemical

TECHNICAL DATA

Chemical and Physical Properties (typical):

Appearance:	Clear Amber Liquid
Cold Test, 30mins at 4°C:	Clear Amber Liquid
pH, 5% in demineralised water:	9.0 – 9.4
Total Alkalinity, mgKOH/g:	106 – 117
Acid value, mgKOH/g:	103.6 – 114.5
Specific Gravity:	0.970 – 1.010
Viscosity @ 40 °C, cSt	75.2 – 83.2
Refractive index @ 3% in demin water	2.2 °Brix
Refractive index @ 5% in demin water	4.2 °Brix
Refractive index @ 7% in demin water	5.5 °Brix

QUAKER CHEMICAL (AUSTRALASIA) PTY LIMITED

A.C.N 000 465 949

POSTAL ADDRESS: P.O BOX 255, SEVEN HILLS, NSW 1730

TELEPHONE: (02) 9624 2388, FAX: (02) 9624 5590

The information contained and recommendations made in this data sheet are based upon data collected and believed by us to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made herein with respect to the merchandise described and we assume no responsibility for the results of the use thereof.

Issue Number: 1

Issue Date: Jan, 2001