

DATA SHEET.

PRODUCT.

AL63 COLLOIDAL GRAPHITE IN WATER

AL63 COLLOIDAL GRAPHITE IN WATER IS A THIXTROPIC, FULLY STABILISED SUSPENSION OF HIGH QUALITY NATURAL GRAPHITE. FILM FORMING AGENTS ARE PRESENT GIVING THE PRODUCT VERY GOOD AND PROVEN FILM FORMING CHARACTERISTICS ON METALLIC SUBSTRATES.

AFTER THE EVAPORATION OF THE WATER CARRIER, A FINE DURABLE, SMOOTH, EVEN COATING IS PRODUCED.

TYPICAL USES.

FOR THE LUBRICATION OF DIE-SETS USED IN THE HOT FORGING OF FERROUS BILLETS.

- HAMMER AND PRESS FORGINGS.
- PRODUCTION OF GRINDING BALLS USED IN THE MINING INDUSTRY.
- GASKET MATERIALS
- METAL TO METAL/PLASTIC CONTACT LUBRICATION

ADVANTAGES OF USING AL63.

- *PROMOTES LONG DIE LIFE, EVEN WHERE STEEP DRAFT ANGLES AND EXTENSIVE METAL DISPLACEMENTS ARE REQUIRED.
- *PREVENTION OF BILLET TO DIE ADHESION. (NO STICKERS)
- *ACCURATE FILLING OF DIES.
- *PREVENTION OF EJECTOR PIN SEIZURE.
- *ASSISTANCE OF SCALE REMOVAL FROM THE BILLET SURFACE.
- *PROVEN PERFORMANCE IN ALL AREAS OF FORGING OVER MANY YEARS.
- *GREATLY REDUCED FUMING COMPARED WITH OIL BASED LUBRICANTS.
- *VERY ECONOMICAL

TYPICAL CHARACTERISTICS.

SOLIDS CONTENT.	30% NATURAL GRAPHITE.
SPECIFIC GRAVITY.	1.2
pH	10.2
PARTICLE SIZE.	1 – 5 MICRONS