



Technical Data Sheet

SURTEC DC-97
Chlorinated Soluble EP Lubricant

DESCRIPTION

SURTEC DC-97 is a water emulsifiable multi purpose metal working lubricant with EP (extreme pressure) properties. It is suitable for both progressive die and multistage transfer presses and metal removal operations. The high polarity of the **SURTEC DC-97** will allow it to adhere to the metal surface tenaciously so that the film is carried throughout the operation.

The extreme pressure additives prevent metal pick-up and increase tool life.

SURTEC DC-97 will mix easily with water to form a relatively stable emulsion that is suitable for use on ferrous and non-ferrous metals.

SURTEC DC-97 is easily removed from the work piece by all conventional cleaning methods including spray washers and immersion tanks.

PRODUCT SPECIFICATIONS

Specific gravity.....1.09
Viscosity (SUS @ 100F).....2100

pH (5% emulsion).....8.5-9.5
Chlorine.....Present
Flash point, C.O.C..... .350F (176C)
Appearance.....Amber liquid

OPERATING INSTRUCTIONS

Mixtures can be sprayed, recirculated swabbed, dipped or roll coated.

Application **Concentration**
(SURTEC DC-97:Water)

Ferrous Alloys

Deep Drawing	Neat to 1:2
Stamping	1:1 to 1:10
Piercing & Blanking	1:2 to 1:5
Machining	1:5 to 1:10
Drilling	Neat to 1:5

Non-ferrous Alloys

Drawing Aluminum Alloy	Neat to 1:2
Blanking & Stamping	1:3 to 1:10
Drawing Copper Alloy	1:5 to 1:10
Blanking & Stamping	1:5 to 1:20

SAFETY & HANDLING

WARNING: Read Material Safety Data Sheet before handling SURTEC DC-97 concentrates or



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solutions. Contains petroleum oils. Prolonged skin contact may cause irritation. Avoid contact with skin, eyes, and clothing. Avoid breathing mist or vapor. Use with adequate ventilation. Do not swallow. May be harmful if swallowed.

Read Material Safety Data Sheet and product label before using. **Also, follow supplier's safety recommendations for all other chemicals mentioned in this technical bulletin.**

PROTECTIVE EQUIPMENT: When handling or using **SURTEC DC-97** or its solutions, wear polyvinyl chloride; neoprene, polyvinyl alcohol; nitrile; or vitron gloves and chemical safety goggles. Respiratory protection not required if adequate ventilation. Wash thoroughly after handling.

FIRST AID: In case of eye contact, immediately flush with water for at least fifteen minutes and call a physician. **If inhaled as a mist,** remove victim to fresh air, administer oxygen if necessary and call a physician. **If swallowed,** product is practically non-toxic. Do not induce vomiting. Call a physician.

Remove and wash contaminated clothing before reuse.

STORAGE STABILITY: Store this product in a cool place in tightly closed containers.

SPILL OR LEAK: Wear protective equipment during cleanup of a spill or leak. Absorb with an inert material such as sand, earth or vermiculite. Dispose of residue consistent with federal, state and local regulations.

REQUIRED READING: This product is for industrial use only.