

## Punch 4500S (K)

*High Performance Fin Press Oil For  
Air Conditioners And Other Punchings*

### Benefits :

- Vaporizes and does not exhibit oil staining during high speed punching with silicon steel plates or electrical thin plates.
- Ensures that each sheet can be readily separated through the use of a low-boiling point solvents and special additives during the annealing process.
- Extends life of metal moulds during high-speed stroking, thereby increasing productivity.
- Contains highly purified base oil with special lubrication improvement agents and abrasion prevention agent to reduce long collar cracks in fins.
- Provides excellent long term chemical stability. High load carrying capacity. Avoids tool breakages.
- Colourless and odourless. Does not react with aluminium or copper.
- Oil residue compatible with R-407C, R-409,R-410A,R-22,R-134A and other New Age Freons.
- Environment friendly product.has no harmful effects on humans as the raw materials used are FDA approved.

### Applications :

- High speed press in Aluminium, Si. Steel plate (Air Conditioners)
- For related stamping applications in various industries.
- For heat exchanger hair pin copper tubes bending.

| Characteristics                      | Test Method | Unit       | Specifications    |
|--------------------------------------|-------------|------------|-------------------|
| Appearance                           | Visual      | –          | Clear             |
| Colour                               | Visual      | –          | Colourless        |
| Specific Gravity(15/4°C) [typ]       | CTM*        | –          | 0.76              |
| Viscosity @ 40°C                     | ASTM D-445  | cSt        | 1.6               |
| Flash Point                          | ASTM D-92   | °C         | 60                |
| Pour Point                           | ASTM D-97   | °C         | < - 35            |
| Distillation Range                   |             |            |                   |
| IBP                                  |             |            | 175               |
| 50 %                                 | CTM*        | °C         | 190               |
| E.P.                                 |             |            | 225               |
| Moisture Content                     | CTM*        | %          | Nil               |
| Aniline Point                        | ASTM D-611  | °C         | 81                |
| Acid Value                           | CTM*        | mg KOH / g | < 0.012           |
| Copper Strip Corrosion [100°C,2hrs.] | ASTM D-130  | –          | 1a (No Corrosion) |

\*CTM=Corporate Test Method

Make : Dyna Solutions

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice  
This supersedes our previously issued data sheets.

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