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# Technical Data Sheet

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## Hot Forging Graphite Lubricant Surefilm GWS20

Anti-Seize/Lubricant Fluid  
Hot Forging Die Lubricant

### Description

**GWS20 Fluid** has been designed to provide a uniform chemically inert film of dry lubricant in situations where heat is extreme and a definite fire risk exists as found in steelworks, foundry brick and tile, cement, metal working, tubemakers and other associated industries.

### Application

**GWS20 Fluid** is suitable for treatment of dyes, kiln tyres and support runners, furnace sliding gates and guides, hot drawing and extrusions.

**GWS20 Fluid** can operate successfully in elevated temperatures up to 600°C.

**GWS20 Fluid** is generally used neat but can be diluted with water, depending on the application, and still maintain excellent lubricating and coolant properties and the mixture is non-corrosive to most surfaces.

**GWS20 Fluid** is a stable thixotropic fluid completely non-flammable, non-fuming, having good heat and electric conduction characteristics.

### Features

- Friction reducer – solid, premium quality crystalline graphite powder.
- Aqueous medium.
- Non-flammable.
- Non-hazardous.

- No job sticking.
- Improved surface finish.
- Die life improvement.
- Economical.
- Contains superior quality graphite.
- Very effective for heavy press forging operations.

## Directions:

Apply by brush, dipping or spray.

## Properties

|            |   |                                                                     |
|------------|---|---------------------------------------------------------------------|
| Appearance | : | Black liquid                                                        |
| Flashpoint | : | Product does not support combustion                                 |
| pH:        | : | 6 to 8 [Conc. (% w/w): 100%]                                        |
| Solubility | : | Easily soluble in the following materials: cold water and hot water |

## Safety Directions

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

If contacted on broken skin, wash with water and seek medical advice if irritation persists.

For cautionary and first aid information, consult the Safety Data Sheet (SDS).