



SHELL FENELLA[®] OIL DS 2280

Synthetic drawing compound

Product Description

Shell Fenella Oil DS 2280 is a synthetic, water dilutable fluid with a high level of extreme pressure additives designed for severe punching and forming operations. The carefully selected extreme pressure agents provide good tooling performance in extreme operations on ferrous materials.

Shell Fenella Oil DS 2280 is formulated with special wetting agents, corrosion inhibitors and extreme pressure lubricity agents. The product mixes easily with water and forms very stable solutions. Finished parts manufactured using Shell Fenella Oil DS 2280 are easily cleaned with water or mild alkali cleaners. Shell Fenella Oil DS 2280 can be applied by brush, roller coat or spray, depending on the concentration used. Concentrations of Shell Fenella Oil DS 2280 ranging from 7-50% by volume in water may be required, depending on the severity of the application.

Shell Fenella Oil DS 2280 should not be used on non-ferrous materials, as staining can occur.

Applications

- heavy duty forming operations
- heavy duty punching operations

Features/Benefits

- excellent wetting properties allowing fluid to spread evenly over surfaces
- excellent tool protection
- very stable at all recommended concentrations
- easily removed with mild alkaline cleaners or water
- good weld-through properties
- effective rust inhibition for in-process corrosion protection

Typical Properties of Shell Fenella Oil DS 2280

	Test Method	
Product Code (drums)		5064223
Appearance	Visual	Amber, Hazy liquid
pH, concentrate		9.6
Sulfur content		<2%
Density, lbs/gal		9.10

Concentration

The concentration of **Shell Fenella Oil DS 2280** can be determined by using a refractometer.

Reading	% Concentration
3.0	5
8.0	10
11.0	15
14.0	20
17.0	25
20.0	30
23.0	35
26.0	40
32.0	50

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.equivashellmsds.com>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.