

PRODUCT DATA SHEET

DESOIL 612 VCI

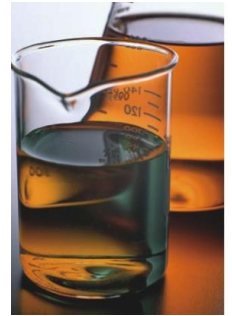
Description and Uses

DESOIL 612 VCI medium viscosity mineral oil, containing film forming additives, coupling agents and strong VCI (Volatile corrosion inhibitor) inhibitors supplied as a concentrate for dilution with water prior to use.

DESOIL 612 VCI is medium term rust preventive which is used as an emulsion. It leaves an ultra-thin, oily film on components after the evaporation of the water phase.

DESOIL 612 VCI is used as an inter-operational protection for all components made of steel, cast iron, aluminum and its alloys. It's particularly recommended for phosphate parts and rough surfaces.

DESOIL 612 VCI used to be applied by immersion or flooding, preferably at 50–60°C to support drying and to limit bacterial growth.



Application Areas

- Used in wire drawing applications
- Used in automotive sub-industry shipping and stock applications.
- Used in automotive industry, front protection applications.
- Metal and machine industry.
- Used in coil sheet and plate applications.
- Short- and medium-term corrosion protection applications in open air.
- Closed atmosphere is used in long term corrosion protection applications.



Physical and Chemical Specifications

Appearance	Liquid	
Color	Amber	
Odor	Low	
Water Solubility (20 °C)	Emulsified	
pH (%10 Aqueous Solution)	7.00-8.00	
Density (g/ml)	0.88-0.98	
Type of Film	Thin, oily	
Corrosion Protection (5% emulsion)	Indoor storage	3—6 month
	Outdoor storage	>2 month

Method of Application

- Make up an emulsion by adding the DESOIL 612 VCI to water.
- Typical concentration used to be 5 – 10%.
- Being a semi-stable emulsion, it is beneficial to keep the bath in constant circulation, i.e. by a circulation pump, stirrer or continuous component throughput.
- Check concentration, pH and bath level regularly, especially if hot.
- The protective film must be completely dried before packaging.

Removal

If required, protective film of DESOIL 612 VCI can be removed by using a process cleaner and also available from DESI CHEM.

Packing

DESOIL 610 VCI is available in 30–60L HDPE drum or in 210L metal barrel also in customer required packaging. Please contact us for special amount and packaging.

Transport and Handling

DESOIL 610 VCI products should be kept closed.

General Notes:

The information in these publications reflects our own average findings and comments for our products however the use of the product may vary according to the field of application and the buyer is solely responsible for the application, use and reprocessing of the material.