

***DURACUT C-SERIES
CONVENTIONAL TRANSPARENT CUTTING OILS
ACTIVE SULFURIZED LARD / ESTERS
FOR DIFFICULT MACHINING***

The **DURACUT C- SERIES** line of conventional cutting oils comprise a series of transparent, light-amber, premium quality, "active" sulfurized-fatty oils. These oils do not contain chlorinated paraffin (CP).

Each oil is formulated using a carefully balanced blend of lubricating additives and highly-refined extreme-pressure components in various combinations to promote optimum performance in the specific service for which each is recommended. Anti-mist additives are utilized in products with finished viscosities below 200 SUS @ 100°F to suppress fogging.

A blend of severely hydro-treated, paraffinic base-stocks are incorporated into this **DURACUT** line of conventional cutting oils. They exhibit characteristics such as a lower tendency to generate smoke / mists; and enhanced thermal stability in high speed machining. They also display lower pour points to facilitate handling at lower temperatures.

DURACUT C- SERIES CUTTING OILS are designed to provide long tool life and superior finish in all types of machining operations on ferrous metals, from free machining steels . . . to the most difficult to machine alloys.

PRODUCTS:

DURACUT 110-C, 180-C, and 220-C

General purpose cutting oils for ferrous metals in normal machining operations. An excellent choice when working free machining steels or for use in light machining on alloy steels.

DURACUT 250-C, 320-C, and 340-C

These metalworking oils will satisfy 80% of all ferrous metal machining requirements and are recommended for a superior finish on most metal alloys. **DURACUT 320-C** with a viscosity of 140 SUS @ 100°F is recommended over **DURACUT 340-C** where a light viscosity oil with a moderately high sulfur content is required. An excellent choice for most machining operations including threading, lathe work, drilling, shaping and many hobbing and broaching operations.

DURACUT 380-C and 410-C

This group of oils exhibit the highest content of extreme-pressure additives in Maxim's standard, conventional metalworking oil line. These oils are recommended for use in operations involving the most difficult to machine alloys including stainless, titanium and high nickel steels in such difficult operations as gear hobbing and internal broaching. These oils are also recommended for the threading of pipe with outside diameters larger than 3 inches.

ADVANTAGES

- * Full range of products for all applications.
- * Highly transparent to afford the machine operator full view of the work.
- * Provides long tool life and superior finish.
- * Thermally stable in storage or service.
- * Low smoking tendencies.
- * Formulated free of chlorinated paraffin (CP).
- * Excellent suppression of oil fogging and misting.

PHYSICAL AND CHEMICAL PROPERTIES

DURACUT	110-C	180-C	220-C	250-C	320-C	340-C	380-C	410-C
Item No.	04010	04018	04022	04024	04038	04042	04044	04050
Appearance	trans	trans	trans	trans	trans	trans	trans	trans
Flash Point, COC° F	>350	>350	>350	>350	>350	>350	>350	>350
Specific Gravity, 60° F	.87	.87	.88	.88	.87	.88	.88	.88
Viscosity, SUS @ 100° F	135	170	180	200	140	185	220	295
Sulfur, % Total	1.35	1.35	2.0	1.7	2.0	2.0	2.7	3.35
Sulfur, % Active	1.0	1.0	1.3	1.3	1.5	1.5	2.0	2.5
Chlorine, %	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Oil-Film Components	present	present	present	present	present	present	present	present

DURACUT C- SERIES CUTTING OILS contain various amounts of "active" sulfur. Therefore, these oils are not recommended for non-ferrous metals such as copper, brass, or bronze. In such applications, please contact your MAXIM representative for data information on our **AUTOMAX LINE** of cutting oils.

Please read and understand the Safety Data Sheet before handling or disposing of this product.

DURACUT C- SERIES OILS are available in 55 gallon steel drums, totes and bulk quantities.

Shipping Identification / labeling: PETROLEUM PRODUCTS,
NOT D.O.T. REGULATED

Not GHS Classified as Hazardous under OSHA HCS

For additional information, product samples, etc., please contact :
MAXIM OIL & CHEMICAL COMPANY
Fort Worth, Texas
Metro (817) 654-4456

HMIS	
Health	1
Flammability	1
Reactivity	0
Personal Protection	X

DISCLAIMER Information contained herein is believed to be correct and reliable. However, Maxim Petrochemical Corporation does not assume liability for it or for recommendations of our representatives inasmuch as conditions and methods of use are beyond our control. Further, we make no warranty, expressed or implied, of any kind regarding those products or their use and purchaser assumes all risks of use or handling either in accordance with directions or not.

MANUFACTURER DISCLAIMER The information and recommendations contained herein are, to the best of the knowledge and belief of Maxim Petrochemical Corporation, accurate and reliable as of the date issued. Maxim does not warrant or guarantee their reliability, and Maxim shall not be liable for any loss or damage arising out of use thereof. The information and recommendations are for the user's consideration and examination. Conditions of use are beyond Maxim's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risk of their use, handling, and disposal of the product(s). This information relates only to the product(s) designated herein and does not relate to its use in combination with any other material or in any other process.