# MILLION GREASE/DIE CLEANING AGENT/DIE CONTACT INSPECTION AGENT

- POLYUREA EP GREASE/GENERAL PURPOSE QUICK-DRYING TYPE/SHINMYOTAN -

# **DIE ADHESIVE**

-LOCTITE No.638 • 243 • 268 • 248 -



	Volume	Exterior	Service temperature	Consistency	Catalog No.	¥ Base unit price	¥Volume discount unit price
	(g)	LAIGIIUI	range	(25℃)	Catalog No.	1piece	2piece ∼
	80	Yellow	-20 ~ 150°C	320	MGS-80	Quet	ation
Ī	400	threads			MGS-400	Guot	alion



Catalog No. MGS-80









## ■Application

- ·For lubrication of guide units of punch die and forming die.

## Features

- It is a polyurea EP grease composed of molybdenum, EP additive, polymer, antioxidant and antirust agent, which uses polyurea EP thickener and refined mineral oil having good thermal stability as its base oil.
- •It has superior oxidation stability, water-proof performance, adhensiveness, heat resistance, mechanical stability, and particularly excellent extreme pressure (EP) property due to specially added molybdenum.
- · Because special polymer is added, it is highly adhensive, waterproof and retentive so that it can be applied to where grease dips easily (such as vertical sliding surface)

#### ■Precautions for use

- •Inflammation may occur if it enters eyes, be sure to wear goggles when it is used.
- Skin contact may cause inflammation, be sure to wear protective gloves when it is used.
  Be sure to wear protective gloves in order to prevent hands from being hurt by container falling-down.

Be sure to read above-mentioned precautions before use.



Die inspection agent (Shinmyotan)									
N—RED	SP-	-RED							

laterial safety data sheet	Cans per	Catalog No	Base unit price	Volume discount unit pri		
ialeriai salely uala sileel	pack	Туре	$Volume(m\ell)$	1 pack	2 pack	3 packs or more
1009	6 cans	6PACK-METACL	420	Qu	otatio	on

- 6PACK—METACL420 is sold only in packs.
- Tor larger orders, ask about prices/delivery.



Catalog No. 6PACK-METACL 420





#### ■Application

- Washes off oil, grease, and other dirt by means of a chemical cleaning agent and strong gas pressure
- Evaporates quickly after use, leaving nothing behind.
- Tan be used for degreasing prior to Loctite application.

Fluid color		Main ingradient	Material safety data sheet	Catalog	Base unit price		Volume discount unit price		
		Main myreurem	FAX BOX No.	Туре	Volume (mℓ)	1~4 pi	ieces	5~9	10 or more
	Orange	Zinc oxide	1044	N—RED	250		<u></u>	ototi	200
	Orange	Petroleum hydrocarbon	1043	SP-RED	250	Quotatio		עווט	

### ■Application

- •Used for aligning a die after product machining. Contains no zinc.
- Can be used straight from the container, eliminating the need to blend the agent with oil. •SP-RED spreads more easily than N-RED, allowing it to be applied in a thinner layer.



Catalog No.







Fluid	Main	Viscosity	Strength	Ctuonath	Maximum allowable	Hardening (h at roo	time Note (2) m temp.)	Service	Material safety data sheet	Catalog I	No.	Base unit price
color	ingredient	(CP)	Class	Strength	clearance (mm)	Active surface	Inert surface	$\operatorname{range}(\mathbb{C})$	FAX BOX No.	Туре	Volume (ml)	1∼4 pieces
Green		2500	High strength	Shear strength 25each side (N/mm²)	Max. 0.2 each sideNote(1)	1~3	3~6	−55 ~ 125	1034	L0C638	250 50	<u></u>
Blue	Anaerobic		Medium strength	Breakage/pull-out torque 26/5 (N/m)	Max. 0.25 each side	1 ~ 3	ა ~ 0		1035	L0C243	250 50	
Green	resin	2500	High strength	Return torque 40.8N•m(DIN54454)	_			−55 ~ 150	1083	L0C268	10	lot
Green	een	フトロロ	Medium strength	•	_				1081	L0C248	19	Ø

# ■ Applications

LOC638: Fitting (high strength)

- · Can be used as an adhesive for items such as dowel bushings (KNLB · KNLBB), die set bushings (LBB · LDB), and stripper guide bushings (SGBL+SGBZ+SGHZ+SGBF+SGFZ). LOC243: For loosening prevention of threads (medium strength)
- Can be used as an adhesive for items such as hexagon socket head cap screws (CB), screw plugs (MSW), and stripper bolts with male threads (MSB)

# Stick type

- This is a compact stick type, and because it is semi-solid it does not drin
- LOC268: For loosening prevention of threads (high strength) Can be removed by localized heating or the use of a tool. Prevents thread loosening caused by vibration, impact, thermal expansion, or other factors

L0C248

LOC248: For loosening prevention of threads (medium strength) Can be removed by the use of a tool.

### ■Notes

- (1) In general when press-fitting die components,  $0.01 \sim 0.03$ mm of adhesive is used on each side
- (2) This is the time required until a serviceable strength (50% hardening) is reached at room temperature. Active surfaces are steel, copper alloys, aluminum alloys, and similar surfaces. Inert surfaces are stainless steel, zinc. heat-curing resins, plated surfaces, and similar surfaces.
- Degreasing is recommended before application of Loctite adhesives.



Catalog No.	]_	Amount
L0C638	_	50
L0C243	_	250
LOC268	_	19







