



Product Data

Castrol Braycote 248

Corrosion Preventative Compound
Petrolatum, Hot or Cold Application Soft Film

Description

Castrol Braycote[®] 248 is an amber colored, soft, grease like or waxy solid, which forms a soft transparent, flexible film on applied parts. It will not polymerize or harden after long exposure to the sun.

Use

Castrol Braycote 248 is designed to protect machined, unpainted metal surfaces from the effects of indoor or shed exposure for periods of six months or more. It is especially suitable for the preservation of anti-friction bearings in storage or shipment.

Application

Castrol Braycote 248 may be applied by dipping at temperatures from 71°C to 82°C. It may be brushed or swabbed on at room temperature, when its consistency resembles a soft grease, or at elevated temperatures, when it resembles an oil. Hot spray applications can be used for protecting large pieces of equipment that are too large in size for dipping applications. Optimal performance can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale.

Coverage

The coverage of Castrol Braycote 248 will widely vary dependent on the method of application and surface geometries. Approximate coverage and film thickness data for the different methods are given in the following table:

Method	Film Thickness Mils	Film Thickness mm	Coverage ft ² / Gal	Coverage m ² /L
Quick Dip	30 to 60	0.762 – 1.524	30 to 50	0.74 – 1.23
Brush or Swab Hot 71°C to 82°C	5 to 20	0.127 – 0.508	80 to 300	1.96 – 7.36
Brush or Swab Hot Spray, per coat	10 to 30	0.254 – 0.762	50 to 160	1.23 – 3.93
Slow Dip 71°C to 82°C *	3 to 10	0.0762 – 0.254	160 to 500	3.93 – 12.27
	1.2 to 1.6	0.030 - 0.040	1000 to 1300	24.54 – 31.91

* Parts allowed to come up to the temperature of the compound before removal from the tank.

REMOVAL: Castrol Braycote 248 may be removed by solvent or steam cleaning.

SPECIFICATIONS Castrol Braycote 248 meets the requirements of specification and is qualified to MIL-C-11796C, Class 3.

Braycote 248
29.05.2006, B1900/05
Castrol and the Castrol logo are trademarks of Castrol Limited, used under licence.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Industrial Lubricants and Services - Australia. GPO Box 5222BB, Melbourne VIC 3001

Technical Advice Line 1300 557 998

www.castrol.com.au

Sydney 02 9795 4800. Melbourne 03 9268 4200. Brisbane 07 3850 9300. Adelaide 08 8347 6200. Perth 08 9268 9288.

Page 1 of 3



Product Data

Typical Properties

Castrol Braycote 248

TEST METHOD	DESCRIPTION	MIL-C-11796C Class 3 Requirements	Result
D 937	Penetration	200 - 250	217
D 127	Melting Point, °C	135 (57) Minimum	160 (71)
D 92	Flash Point, COC, °C	350 (176) Minimum	505 (262)
D 874	Sulfated Residue, %	0.15 +/- 0.05	0.19
Spec	Stability	No Separation, No Foam	Pass
Spec	Volatility, %	1.0 Maximum	0.36
Spec	Miscibility with Grade 100 Mil-L-6082 Oil	Pass	Pass
Spec	Abrasives, mL	0.05 Maximum	Pass
Spec	Applicability, mils	1.50 +/- 0.2	Pass
Spec	Humidity Cabinet, 30 days minimum	Pass	Pass
Spec	Corrosiveness, mg/cm ²		
	Aluminum	0.2 Maximum	+0.019
	Brass	0.2 Maximum	+0.039
	Cadmium	0.2 Maximum	+0.0042
	Steel	0.2 Maximum	+0.049
	Magnesium	0.5 Maximum	+0.008
	Zinc	0.2 Maximum	+0.0038
	Lead	1.0 Maximum	-0.063
Spec	Stain Test		
	Original Material	Pass	Pass
	5% Emulsion	Pass	Pass
	15% Emulsion	Pass	Pass
Spec	Low Temperature Adhesion, -40°C	Pass	Pass
Spec	Flow Point, 50-55 mils @ 54°C	Pass	Pass

Braycote 248
29.05.2006, B1900/05
Castrol and the Castrol logo are trademarks of Castrol Limited, used under licence.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Industrial Lubricants and Services - Australia. GPO Box 5222BB, Melbourne VIC 3001
Technical Advice Line 1300 557 998
www.castrol.com.au
 Sydney 02 9795 4800. Melbourne 03 9268 4200. Brisbane 07 3850 9300. Adelaide 08 8347 6200. Perth 08 9268 9288.
 Page 2 of 3



Product Data

Health, Safety & Environment

Braycote 248 poses no significant hazard to the user. As a matter of good safety practice, minimize skin contact and avoid breathing mist or vapour. **Braycote 248** is classed as non-hazardous substance according to the criteria of NOHSC.

In line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data Sheet be followed.

- Spillage: SMALL – 20 litres or less
Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent and arrange recycling (preferred) or disposal through an approved facility. Scrub contaminated area with suitable cleaner and water.
- LARGE – greater than 20 litres
Contain as soon as possible and remove by best means available. Arrange recycling (preferred) or disposal through an approved facility.
- Disposal: Oils must not be allowed to enter ground water, water courses, sewerage or drainage systems. Refer to local waste disposal authority for legal requirements.

Storage and Handling

Combustible C2 liquid for storage and handling purposes. Store in a cool, dry, well-ventilated area out of direct sunlight. Avoid sparks, flames and other ignition sources. Store away from incompatible materials such as oxidizing materials. Reference should be made to Australian Standard AS1940 – The storage and handling of flammable and combustible liquids. Airborne mists of this product may ignite in the presence of an ignition source.

Product Removal

- Bare metal surfaces: Remove with Castrol Solvents or Castrol degreasers.
Hand cleaning: Use any of the Castrol range of hand cleaners i.e. CareClean Plus.
Other surfaces: Contact your local Castrol office in each State (see details front page).

Braycote 248
29.05.2006, B1900/05
Castrol and the Castrol logo are trademarks of Castrol Limited, used under licence.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Industrial Lubricants and Services - Australia. GPO Box 5222BB, Melbourne VIC 3001

Technical Advice Line 1300 557 998

www.castrol.com.au

Sydney 02 9795 4800. Melbourne 03 9268 4200. Brisbane 07 3850 9300. Adelaide 08 8347 6200. Perth 08 9268 9288.

Page 3 of 3