

TECHNICAL DATA SHEET



WD-40® SPECIALIST® HEAVY-DUTY EXTREME PRESSURE GREASE

PRODUCT DESCRIPTOR

WD-40® SPECIALIST® HEAVY-DUTY EXTREME PRESSURE GREASE gives surfaces the protection they need against wear and high loads. Effective at up to 600° F, it's the solution of choice for a wide variety of applications, including heavy-duty automotive, farming, construction and industrial equipment, as well as boat-trailer and similar wheel bearings.



PHYSICAL and CHEMICAL PROPERTIES

Appearance:	Red colored grease	Flammable Limits:	Not established
Odor:	Slight petroleum oil odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Not established
pH:	Not Applicable	Relative Density:	0.9 g/cm ³
Melting/Freezing Point	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	>231.1°C (>448°F)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	>221.1°C (>430°F)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas)	Not applicable	Viscosity:	>21 cSt (>0.21 mm ² /s) @ 40°C (104°F)
VOC:	Not established	Pour Point:	Not Determined

PERFORMANCE RESULTS

	Method	Extreme Pressure (red)
Color		Red
Texture		Smooth, Tacky
Thickner Type		Lithium Complex
NLGI Grade	ASTM D 217	2
Dropping Point (degrees F)	ASTM D 2265	625
Four Ball Wear (mm)	ASTM D 2266	0.56
Bearing corrosion in 5% ssw	ASTM D 5969	Pass
Bearing corrosion in 10% ssw	ASTM D 5969	
Bearing corrosion in 1% NaCl	ASTM D 5969	
Water washout (% loss)		

PACKAGING SPECIFICATION

	Depth/Length	Width	Height	Cubit Ft	Cubic M	Est. Gross Weight (lbs)	Est. Gross Weight (Kg)		
Saleable Unit	2.1875	2.1875	9.3125	0.0258	0.0007	0.9700	0.4400	Units/Case	10
Master Case/Display	11.1250	4.5000	9.5625	0.2770	0.0078	10.0000	4.5359	Cases/Tier	30
Load without Pallet	44.5000	35.7500	47.8100	44.0160	1.2464	1500.0000	680.3886	Tiers/Pallet	5
Load with GMA Pallet	48.0000	40.0000	52.8100	58.6778	1.6616	1542.0000	699.4394	Cases/Pallet	150

HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes and skin. Avoid breathing oil mists. Use with adequate ventilation. Keep away from heat, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Conditions for Safe Storage: Store in a cool, well-ventilated area, away from incompatible materials. NFPA Class IIIB Liquid.

DISPOSAL

If this product becomes a waste, it would not be expected to meet the criteria of a RCRA of a hazardous waste. However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.

SPECIAL USE WARNINGS

The Following Controls are recommended for Normal Consumer Use of this Product

Engineering Controls: Use in a well-ventilated area.

Personal Protection:

Eye Protection: Avoid eye contact.

Skin Protection: Avoid prolonged skin contact. Wash hands with soap and water after use.

Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are recommended

Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Personal Protection:

Eye Protection: Safety goggles recommended where eye contact is possible.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Work/Hygiene Practices: Wash with soap and water after handling.

REGULATORY INFORMATION

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Acute Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III

Section 313 Reporting requirements: Zinc Compounds (<2%)

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.

VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

Canadian Environmental Protection Act: One of the components is listed on the NDSL. All of the other ingredients are listed on the Canadian Domestic Substances List or exempt from notification.



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