

MATERIAL SAFETY DATA SHEET

ROBERT V. JENSEN, INC., 4029 S. Maple Ave, Fresno, CA 93725
Phone 1-800-366-8210



Product Heritage Classic
ORIGINAL ISSUE May 10-2010
REVISION DATE Nov 4, 2013

IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Heritage Classic SAE 15W-40 PRODUCT #:
CHEMICAL NAME: N/A - Mixture CAS #'S: Mixture
PRODUCT APPEARANCE AND ODOR: Dark liquid, petroleum odor CHEMICAL FAMILY: N/A - mixture
SYNONYMS: Heavy Duty Diesel Lubricant EMERGENCY TELEPHONE: 1-800-442-5823 or 1-908-862-9300

COMPONENTS AND HAZARD INFORMATION

COMPONENTS: W/W HAZARD DATA (TLV, LD50, LC50, ETC.):
Petroleum based lubricating oil 5 mg/m3 TWA (OSHA, ACGIH)
CAS# 64742-54-7, 64742-65-0, (as an oil mist)
64741-89-5, 64741-88-4*

* Paraffinic base oil used are not limited to but include these CAS numbers.

Non-hazardous additive packages n/e
CAS# n/a

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):
Health Flammability Reactivity
1 1 0

TRANSPORTATION INFORMATION

TRANSPORTATION/SHIPPING INFORMATION:
Department of Transportation (DOT): Not regulated

EMERGENCY FIRST AID

EYE CONTACT:
If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN CONTACT:
In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water.

INHALATION:
For effects produced by overexposure, remove to fresh air. If effects persist, obtain medical advice.

INGESTION:
If ingested, call a physician immediately. Possible aspiration hazard.

BOILING RANGE:
Not available

VAPOR PRESSURE:
Not available

SPECIFIC GRAVITY (25°C/25°C):
(WATER = 1)
< 1.0

VAPOR DENSITY (AIR = 1):
> 5

MOLECULAR WEIGHT:
Wide range

PERCENT VOLATILE BY VOLUME:
Not calculated

EVAPORATION RATE @ 1 ATM. AND 25°C
(77°F) (n-BUTYL ACETATE = 1):
Not available

SOLUBILITY IN WATER @ 1 ATM. and 25°C
(77°F): Negligible

REACTIVITY

This product is stable and will NOT react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite, etc., as this represents a serious explosion hazard.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

Fumes, smoke, carbon monoxide, oxides of sulfur, and other decomposition products, in case of incomplete combustion.

CONDITIONS TO AVOID:

Open flames.

TOXICITY

ORAL (Acute)	N/E
DERMAL (Acute)	N/E
EYE	N/E
INHALATION (Acute)	N/E
CHRONIC, SUBCHRONIC, ETC.	N/E

Medical Conditions Aggravated by Exposure: Unknown

This product does NOT contain any ingredients identified as carcinogenic by IARC, NTP, or OSHA.

All components known to be contained in this product are on the TSCA inventory or are exempt.

SARA Section 313 Status: This material is not known to contain any chemicals on the SARA Section 313 list at a concentration greater than 1.0 percent or carcinogenic chemical on that list at a concentration greater than 0.1 percent.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep product out of sewers and watercourses by diking or impounding. Absorb with sand or inert material. Sweep or scoop up and remove. Prevent spread of spill. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with local regulations.

WASTE DISPOSAL METHOD: (Consult federal, state, or local authorities for proper disposal procedures.)

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste site or facility.

PROTECTION AND PRECAUTIONS

VENTILATION: (Always maintain below permissible exposure limits.)

Use local exhaust to capture vapor, mist or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air.

RESPIRATORY PROTECTION: (Use only NIOSH approved equipment.)
 Normally not needed at ambient temperatures. Use supplied air respiratory protection in confined or enclosed spaces, if needed. Use filter, dust, fume, or mist respirator type under misting conditions. Use can or cartridge; gas or vapor respirator type under conditions exceeding TWA standard.

PROTECTIVE GLOVES:
 Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION:
 Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT:
 Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

WORK PRACTICES/ENGINEERING CONTROLS:
 Keep containers closed when not in use. Do not handle near heat, sparks, flame or strong oxidants.

PERSONAL HYGIENE:
 Minimize breathing vapor, mist, or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

OTHER REGULATORY INFORMATION

OSH HAZARD DETERMINATION: This material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Inventory: All of the components of this material are listed on the Toxic Chemical Substances Inventory. This product is in compliance with the Toxic Substances control Act (TSCA).

SARA SECTION 311 - HAZARD CATEGORIES:

This product may meet one or more of the criteria for the hazard categories defined in 40 CFR Part 370 as established by Sections 311 and 312 of SARA as indicated below:

NO	IMMEDIATE (ACUTE) HEALTH HAZARD	NO	SUDDEN RELEASE OF PRESSURE HAZARD
NO	DELAYED (CHRONIC) HEALTH HAZARD	NO	REACTIVE HAZARD
NO	FIRE HAZARD		

SARA 302/304: There are no components in this product on the SARA 302/304 list.

SARA SECTION 313 - TOXIC COMPONENTS: This product does not contain >1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

CLEAN WATER ACT (CWA):

Under the CWA, discharges of fluids to surface water without proper Federal and State permits must be reported immediately to the National Response Center at (800) 424-8802.

CERCLA HAZARDOUS SUBSTANCES:

As defined by CERCLA, the term "hazardous substance" does not include any ingredients or fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance.

CALIFORNIA PROPOSITION 65

This product contains no ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

NEW JERSEY RIGHT-TO-KNOW LABEL

Mineral oil

WHMIS CLASSIFICATION

This product is not a WHMIS controlled substance.

PREPARED BY: Alan Denniston

Technical Services

THE ABOVE INFORMATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE, OR MISUSE BEYOND OUR CONTROL, SELLER MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

CLASSIC, SAE 15W-40

DIESEL ENGINES



High performance heavy-duty diesel engine oil, API CJ-4 /SM

APPLICATIONS

All types of service

- Developed for the newest (post 2007) low emission diesel engines with after-treatment systems using low sulfur or ultra-low sulfur diesel fuel.
- Formulated to meet the most severe servicing conditions for both on and off-highway diesel powered equipment. Recommended for transportation and off-highway equipment such as long- and short-haul delivery trucks, farm tractors, construction equipment, etc.

PERFORMANCE

Specifications

- API CJ-4/SM (API CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF/SM)
- ACEA E7/E9

OEMs approvals

Cummins CES 20081; Detroit Diesel 93K218; DDC series 2000 & 4000; Mack EO-O Premium Plus 07 ; MAN 3275 ; Mercedes Benz-Approval 228.31; Renault trucks RLD-3 and Volvo VDS-4.
Meets the requirements of Caterpillar ECF-3 and International (Navistar)

CUSTOMER BENEFITS

Increased drain intervals

- Its high performance level allows longer drains intervals over prior API categories for heavy duty diesel engine oil.

High technical performance

- Exceptional anti-wear and anticorrosion properties
- Good efficiency against bore polishing
- Excellent viscosity stability in operation
- High detergency and excellent soot dispersion

CHARACTERISTICS

TYPICAL CHARACTERISTICS-HERITAGE CLASSIC SAE 15W-40

Specific gravity	0.874	Pour point, °F (°C) (ASTM D 97)	-29 (-34)
Viscosity @ 40°C, cSt (ASTM D 445)	113	Flash point °F (°C) (ASTM D 92)	424 (218)
Viscosity @ 100°C, cSt (ASTM D 445)	15.0	Phosphorus (ppm)	< 1200
Viscosity Index (ASTM D 2270)	137	Ash, wt% (ASTM D 874)	1.0
TBN (ASTM D 2896)	10	Sulfur	< 0.4
Cold crank, cps @ -20°C (ASTM D 5293)	< 7000		

ROBERT V. JENSEN, INC.

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Classic 15W-40
Sheet updated: 8/12/2011

Robert V. Jensen, Inc. with a policy of continuous improvement, reserves the right to change specifications as technology progresses. We are not responsible for the misuse and/or misapplication of our products. MSDS are found on our web site.

CLASSIC SN-GF5 OILS

SAE 5W-20, 5W-30 & 10W-30



Passenger car motor oil with API SN/GF-5 credentials

APPLICATIONS

All types of service

- **CLASSIC SN-GF5** multi-grade oils are designed to meet lubrication requirements of today's naturally aspirated, turbo-charged and super-charged gasoline fueled engines.
- **CLASSIC SN-GF5** multi-grade oils are formulated to provide excellent oxidation stability, low temperature flow properties and enhanced fuel economy. They also meet the low volatility requirements of ILSAC GF-5 for improved engine cleanliness and reduced oil consumption.

PERFORMANCE

API SN and ILSAC GF-5

SUITABLE FOR:

GM, Ford, Chrysler, Dodge, Jeep, Honda, Acura, Toyota, Lexus, Mazda, Nissan, Infinity, Subaru, Hyundai, Kia, Suzuki, and Mitsubishi.

CUSTOMER BENEFITS

Increased drain intervals

High technical performance

- Its higher performance level allows longer drain intervals with fuel economy. Most US car manufacturers recommend 5,000 to 7,000 mile drain intervals in these fuel economy multi-grade oils.
- Enhanced detergents, dispersants, anti-oxidants, anti-wear and corrosion prevention properties improve the fluid performance under all types of service.
- Excellent low temperature flow properties ensuring easy cold starts. Engine components are lubricated quickly giving longer life.

CHARACTERISTICS

TYPICAL TEST PROPERTIES—CLASSIC SN/GF-5 OILS			
Grade	5W-20	5W-30	10W-30
Specific gravity @ 60/60°F	0.867	0.867	0.872
Viscosity, cSt @ 100°C (ASTM D 445)	7.1	10.1	10.50
Viscosity, cSt @ 40°C (ASTM D 445)	42	60	69
Viscosity Index (ASTM D 2270)	134	150+	137
Cold crank simulator, cp @ (ASTM D 5293)	5500@ -30°C	6000@ -30°C	6100@ -25°C
Pour Point, °F (°C) (ASTM D 97)	-33 (-36)	-33 (-36)	-27 (-33)
NOACK, (15 wt% max loss)	Pass	Pass	Pass

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Classic SN-GF5 Oils
Sheet updated: 4/01/2011

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MATERIAL SAFETY DATA SHEET

ROBERT V. JENSEN, INC. 4029 S. Maple Ave, Fresno, CA 93725
Phone 1-800-366-8210



Product HERITAGE CLASSIC SN-GF5
ORIGINAL ISSUE April 1, 2011
REVISION DATE Nov 1, 2013

IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: HERITAGE CLASSIC SN-GF5 (all grades)5W-20, 5W-30 and 10W-30) PRODUCT #:
CHEMICAL NAME: N/A - Mixture CAS #'S: Mixture
PRODUCT APPEARANCE AND ODOR: Viscous liquid, petroleum odor CHEMICAL FAMILY: N/A
SYNONYMS: Engine Oil EMERGENCY TELEPHONE: 1-800-442-5823 or 1-908-862-9300

COMPONENTS AND HAZARD INFORMATION

COMPONENTS: W/W HAZARD DATA (TLV, LD50, LC50, ETC.):
Petroleum based lubricating oil 5 mg/m3 TWA (OSHA, ACGIH)
CAS# 64742-54-7, 64742-65-0, (as an oil mist)
64741-89-5, 64741-88-4*

* Paraffinic base oil used are not limited to but include these CAS numbers.

Additives, non-hazardous n/e

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):
Health 1 Flammability 1 Reactivity 0

TRANSPORTATION INFORMATION

TRANSPORTATION/SHIPPING INFORMATION:
Department of Transportation (DOT): Not regulated

EMERGENCY FIRST AID

EYE CONTACT:
If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

SKIN CONTACT:
In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water.

INHALATION:
Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen if available. If overexposure to oil mist, remove from further exposure until excessive oil mist condition subsides.

INGESTION:

If ingested, do not induce vomiting. Call a physician immediately.

FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (MINIMUM): >204°C (>400°F) Test method: COC
 AUTOIGNITION TEMPERATURE: N/E

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - HAZARD IDENTIFICATION:

Health	Flammability	Reactivity
1	1	0

FLAMMABLE OR EXPLOSIVE LIMITS (approximate percent by volume in air):
 Estimated values: lower N/E upper N/E

EXTINGUISHING MEDIA AND FIRE FIGHTING PROCEDURES:

Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type product, depending on size or potential size of fire and circumstances related to the situation. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water froth may be used to flush spills away from exposure. Minimize breathing gases, vapor, fumes, or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

n/a

"EMPTY" CONTAINER WARNING:

Empty containers retain residue (liquid or vapor) and can be dangerous. DO NOT PRESSURIZE, WELD, CUT BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged, and returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

HEALTH AND HAZARD INFORMATION

EXPOSURE LIMIT FOR TOTAL PRODUCT: Monitor data listed in the Components and Hazard Information section.

VARIABILITY AMONG INDIVIDUALS:

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which vary from person to person. As a precaution, exposure to liquids, vapors, mists, or fumes should be minimized.

EFFECTS OF OVEREXPOSURE (Signs and symptoms of exposure):

Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis.

Product contacting the eye may cause irritation.

Product has a low order of oral and dermal toxicity.

Possible aspiration hazard.

Induced vomiting may cause aspiration of product into the lungs.

(See Emergency First Aid Section).

PHYSICAL DATA

The following data are approximate or typical values and should not be used for precise design purposes.

BOILING RANGE: Not available
 VAPOR PRESSURE: < 0.1 mmHg @ 20°C

SPECIFIC GRAVITY (25°C/25°C): (WATER = 1)
 VAPOR DENSITY (AIR = 1): > 5

< 1.0

MOLECULAR WEIGHT:
Wide range

PERCENT VOLATILE BY VOLUME:
Negligible

EVAPORATION RATE @ 1 ATM. AND 25°C
(77°F) (n-BUTYL ACETATE = 1):
Not available

SOLUBILITY IN WATER @ 1 ATM. and 25°C
(77°F):
Nil

REACTIVITY

This product is stable and will NOT react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite, etc., as this represents an explosion hazard.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:

Fumes, smoke, carbon monoxide, and other decomposition products, in case of incomplete combustion.

CONDITIONS TO AVOID:

Open flames.

TOXICITY

ORAL (Acute)	N/E
DERMAL (Acute)	N/E
EYE	N/E
INHALATION (Acute)	N/E
CHRONIC, SUBCHRONIC, ETC.	N/E

Medical Conditions Aggravated by Exposure: Unknown

This product does NOT contain any ingredients identified as carcinogenic by IARC, NTP, or OSHA.

All components known to be contained in this product are on the TSCA inventory or are exempt.

SARA Section 313 Status: This material is not known to contain any chemicals on the SARA Section 313 list at a concentration greater than 1.0 percent or carcinogenic chemical on that list at a concentration greater than 0.1 percent.

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Keep product out of sewers and watercourses by diking or impounding. Absorb with sand or inert material. Sweep or scoop up and remove. Prevent spread of spill. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with local regulations.

WASTE DISPOSAL METHOD: (Consult federal, state, or local authorities for proper disposal procedures.) Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste site or facility.

PROTECTION AND PRECAUTIONS

VENTILATION: (Always maintain below permissible exposure limits.)

Use local exhaust to capture vapor, mist or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air.

RESPIRATORY PROTECTION: (Use only NIOSH approved equipment.)

Normally not needed at ambient temperatures. Use supplied air respiratory protection in confined or enclosed spaces, if needed. Use filter, dust, fume, or mist respirator type under misting conditions. Use can or cartridge; gas or vapor respirator type under conditions exceeding TWA standard.

PROTECTIVE GLOVES:

Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION:

Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT:

Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

WORK PRACTICES/ENGINEERING CONTROLS:

Keep containers closed when not in use. Do not handle near heat, sparks, flame or strong oxidants.

PERSONAL HYGIENE:

Minimize breathing vapor, mist, or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil-soaked. Cleanse skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

OTHER REGULATORY INFORMATION

OSH HAZARD DETERMINATION: This material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Inventory: All of the components of this material are listed on the Toxic Chemical Substances Inventory. This product is in compliance with the Toxic Substances control Act (TSCA).

SARA SECTION 311 - HAZARD CATEGORIES:

This product may meet one or more of the criteria for the hazard categories defined in 40 CFR Part 370 as established by Sections 311 and 312 of SARA as indicated below:

NO	IMMEDIATE (ACUTE) HEALTH HAZARD	NO	SUDDEN RELEASE OF PRESSURE HAZARD
NO	DELAYED (CHRONIC) HEALTH HAZARD	NO	REACTIVE HAZARD
NO	FIRE HAZARD		

SARA 302/304: There are no components in this product on the SARA 302/304 list.

SARA SECTION 313 - TOXIC COMPONENTS: This product does not contain >1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

CLEAN WATER ACT (CWA):

Under the CWA, discharges of fluids to surface water without proper Federal and State permits must be reported immediately to the National Response Center at (800) 424-8802.

CERCLA HAZARDOUS SUBSTANCES:

As defined by CERCLA, the term "hazardous substance" does not include any ingredients or fraction thereof, which is not otherwise specifically listed or designated as a hazardous substance.

CALIFORNIA PROPOSITION 65

This product contains no ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

NEW JERSEY RIGHT-TO-KNOW LABEL

Mineral oil

WHMIS CLASSIFICATION

This product is not a WHMIS controlled substance.

PREPARED BY: Alan Denniston

Technical Services

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