

AMERICA'S CHOICE DIESEL MOTOR OILS

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA



SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMERICA'S CHOICE DIESEL MOTOR OIL
AMERICA'S CHOICE DIESEL MOTOR OIL SHO-M
AMERICA'S CHOICE DIESEL MOTOR OIL XHD
AMERICA'S CHOICE DIESEL MOTOR OIL XHD-2
Includes grades 15W-40; 10W; 30; 40; 50.
MIL-PRF-2104G 15W-40; 30; 40.

SYNONYMS: Petroleum oil; Lube oil; Petroleum hydrocarbon; Lubricant.

PRODUCT CODE: Prefix 22

PRODUCT USE: For lubricating diesel engines.
If this product is used in combination with other products, refer to the Material Safety Data Sheets for those products.

These numbers are for emergency use only. If you desire non-emergency product information, please call a telephone number listed below.	24-HOUR EMERGENCY TELEPHONES	
	MEDICAL:	TRANSPORTATION (SPILL):
	1-800-752-7869 (USA) Extension 2	1-800-468-1760 (USA)
1-312-906-6194 (CANADA)	1-613-996-6666 (CANADA)	

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1301 Gervais Street, Suite 300
Columbia, SC 29201
USA
1-803-933-4200

TECHNICAL INFORMATION: 1-800-265-2792

MSDS FORM NUMBER: 82506

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PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

WT%*	NAME	SYNONYM	CAS NO.	OSHA PEL		ACGIH TLV		LD ^a	LC ^b
				TWA	STEL	TWA	STEL		
30 to 95	Lubricating oils, petroleum, hydrotreated spent	Hydrotreated paraffinic base oil	64742-58-1	5 ^c mg/m ³	N.Av.	5 ^c mg/m ³	10 ^{c,d} mg/m ³	>15000 ^{e,f}	N.Av.
0 to 50	Residual oils (petroleum), solvent-dewaxed	Bright stock	64742-62-7	5 ^c mg/m ³	N.Av.	5 ^c mg/m ³	10 ^{c,d} mg/m ³	>10000 ^f	N.Av.
0 to 50	Residual oils (petroleum), hydrotreated	Bright stock	64742-57-0	5 ^c mg/m ³	N.Av.	5 ^c mg/m ³	10 ^{c,d} mg/m ³	N.Av.	N.Av.
0 to 50	Lubricating oils, petroleum, C>25, hydrotreated bright-stock based	Bright stock	72623-83-7	5 ^c mg/m ³	N.Av. mg/m ³	5 ^c mg/m ³	10 ^{c,d} mg/m ³	>5000 ^g	N.Av.
0 to 50 ^h	Mineral oil	***	***	5 ^c mg/m ³	N.Av.	5 ^c mg/m ³	10 ^{c,d} mg/m ³	N.Av.	N.Av.
0 to 9	Additives	***	***	N.Av. ⁱ	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
0 to 6.0	Distillates (petroleum), hydrotreated heavy paraffinic	N.Av.	64742-54-7	5 ^c mg/m ³	N.Av.	5 ^c mg/m ³	10 ^{c,d} mg/m ³	>15000 ^g	N.Av.
0 to 6.0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	N.Av.	64742-65-0	5 ^c mg/m ³	N.Av.	5 ^c mg/m ³	10 ^{c,d} mg/m ³	N.Av.	N.Av.
0 to 2 ^h	Alkaryl amine	***	***	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
0 to 1.5	Benzenamine, N-phenyl-reaction products with 2,4,4-trimethylpentene	Diphenylamine, diisobutylene reaction product	68411-46-1	N.Av.	N.Av.	N.Av.	N.Av.	7580	N.Av.
0 to 1.5	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts**	Dialkyl (C1-C14) dithiophosphoric acid, zinc salt	68649-42-3	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.

* Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

**See SECTION 15: SARA TITLE III

***Supplier advises that this is a trade secret

^aOral-Rat LD50 (mg/kg)

^bInhalation-Rat LC50

^cBased on Oil mist, mineral.

^dNotice of Intended Changes: N.Av. (value to be eliminated)

^eBased on similar materials.

^fSkin-Rabbit LD50 is greater than 2000 mg/kg

^gSkin-Rabbit LD50 is greater than 3000 mg/kg

^hSupplier advises that the concentration is a trade secret, however, it will fall within this range

ⁱManufacturer recommended TWA = 5 mg/m³

N.Av. = Not Available

See 29 CFR 1910.1000(d)(2) and ACGIH *Threshold Limit Values for Chemical Substances and Physical Agents* booklet (Appendix C) for the determination of exposure limits for mixtures. Consult an industrial hygienist or similar professional to confirm that the calculated exposure limits are appropriate.

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SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION!

APPEARANCE

Liquid, amber, petroleum odor.

IMMEDIATE HAZARDS

May cause respiratory tract (nose, throat, and lungs), eye, and skin irritation.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs).

EYES: Brief, direct contact with product may cause irritation.

SKIN: Brief, direct contact with product may cause irritation. A single, prolonged exposure is not likely to cause the product to be absorbed through the skin in harmful amounts.

INGESTION (SWALLOWING): May cause throat irritation, nausea, vomiting, and diarrhea. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing, respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

CANCER INFORMATION: No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

Also see **SECTION 15: CALIFORNIA**.

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SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING)	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Get medical attention if breathing difficulty persists.
EYES:	For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.
SKIN:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists. If product is injected under pressure into or under the skin; or into any part of the body; regardless of the appearance of the wound or its size, a physician should immediately evaluate the individual as a medical emergency.
INGESTION: (SWALLOWING)	Immediately get medical attention. Call medical emergency telephone number (see SECTION 1) for additional information. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs.
NOTE TO PHYSICIANS:	No specific antidote available. Treat symptomatically and supportively. Call medical emergency telephone number (see SECTION 1) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

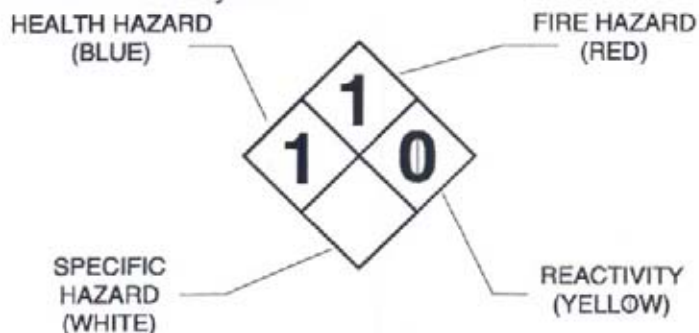
FLASH POINT:	392°F (200°C) (minimum) Cleveland Open Cup
FLAMMABLE LIMITS IN AIR:	LOWER: 1 VOL% (based on similar materials) UPPER: 10 VOL% (based on similar materials)
AUTOIGNITION TEMPERATURE:	750°F (399°C) (approximately) (based on similar materials)
HAZARDOUS COMBUSTION PRODUCTS:	Decomposition and combustion materials may be toxic. Burning may produce hydrogen sulfide, alkyl mercaptans, sulfides, aldehydes, calcium oxides, sulfur oxides, nitrogen oxides, carbon monoxide, and unidentified organic compounds.
CONDITIONS OF FLAMMABILITY:	Heat, sparks, or flame. Product may burn, but does not ignite readily.

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EXTINGUISHING MEDIA: Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

**NFPA 704
HAZARD
IDENTIFICATION:**

This information is intended solely for the use of individuals trained in this system.



**FIRE FIGHTING
INSTRUCTIONS:**

Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing may provide limited protection.

**FIRE AND
EXPLOSION HAZARDS:**

Heated containers may rupture. "Empty" containers may retain residue and can be dangerous. Not sensitive to mechanical impact or static discharge.

**EMERGENCY RESPONSE
GUIDE NUMBER:**

Not applicable.
Reference *North American Emergency Response Guidebook*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal.

Additionally, for large spills dike far ahead of liquid spill for collection and later disposal.

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SECTION 7: HANDLING AND STORAGE

HANDLING:	Keep away from heat, sparks, or flame. Use clean tools. This product has a low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing or misting this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.
SHIPPING AND STORING:	Keep container tightly closed when not in use and during transport. Store container in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind. Keep containers away from heat, flame, sparks, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.
PERSONAL HYGIENE:	Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard leather articles, such as shoes, saturated with the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
PERSONAL PROTECTIVE EQUIPMENT	
RESPIRATORY PROTECTION:	Use NIOSH-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limits. Do not use N-rated respirators. A self-contained breathing apparatus (SCBA) and full protective equipment are required for fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4-M1982.
EYE PROTECTION:	Where eye contact is likely, wear safety glasses; contact lens use is not recommended.

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SKIN PROTECTION:	Where skin contact is likely, wear chemical-resistant gloves. Where spills and splashes are likely, wear chemical-resistant apron, boots, or other protective clothing to avoid prolonged or repeated contact.
OTHER PROTECTIVE EQUIPMENT:	Facilities storing or using this product should be equipped with an emergency eyewash in the immediate work area. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR:	Liquid, amber, petroleum odor.
ODOR THRESHOLD:	Not available.
SPECIFIC GRAVITY:	0.88 (water = 1) (approximately)
DENSITY:	7.3 LB/US gal (880 g/l) (approximately)
VAPOR DENSITY:	greater than 10 (air = 1) (based on similar materials)
VAPOR PRESSURE:	less than 0.1 mm Hg at 68°F (20°C) (based on similar materials)
BOILING POINT:	420°F (220°C) (minimum)
FREEZING/MELTING POINT:	Not available [pour point 16°F (-9°C) (maximum)].
pH:	Not applicable.
EVAPORATION RATE:	0.001 (ethyl ether = 1) (based on similar materials)
SOLUBILITY IN WATER:	Insoluble.
MOLECULAR WEIGHT:	Not applicable.

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.
INCOMPATIBILITY:	Avoid oxidizing agents.
REACTIVITY:	Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

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**HAZARDOUS DECOMPOSITION
PRODUCTS:**

None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION:

Based on best current information, there is no known human sensitization associated with this product.

CARCINOGENICITY:

IARC classifies chemicals by their hazard, including agents that are carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). NTP classifies chemicals as either known carcinogens, or for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens (A1) and suspected human carcinogens (A2).

No animal skin carcinogenicity tests of these materials have been conducted. Neither IARC, NTP, ACGIH, nor OSHA have classified these materials as to their carcinogenic risk.

Also see **SECTION 15: CALIFORNIA.**

**REPRODUCTIVE
TOXICITY:**

Based on best current information, there is no known reproductive toxicity associated with this product.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY:

Based on best current information, there is no known teratogenicity associated with this product.

MUTAGENICITY:

Experimental evidence suggests that this product does not cause mutagenesis.

**TOXICOLOGICALLY
SYNERGISTIC
PRODUCT(S):**

Based on best current information, there are no known toxicologically synergistic products associated with this product.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

Not available.

**OCTANOL/WATER
PARTITION COEFFICIENT:**

Not available.

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**VOLATILE ORGANIC
COMPOUNDS:**

100 WT%; 7.3 LB/US gal; 880 g/l (approximately)
Photochemically reactive as per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL:

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

**USEPA WASTE
CODE(S):**

Not regulated.
This product, if discarded, is not expected to be a characteristic waste. If recycled in the USA, it must be managed in accordance with 40 CFR Part 279. Processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

SECTION 14: TRANSPORT INFORMATION

DOT:

Not regulated.

TDG:

This product is not for sale or use in Canada.

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

**SARA SECTIONS
311 AND 312:**

Not available.

SARA SECTION 313:

Double asterisk component in **SECTION 2** is subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, under the Zinc compounds category. Additional information is not available.

TSCA:

All the components of this product are listed on, or are exempted from the requirement to be listed on, the TSCA Inventory.

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CALIFORNIA: This product contains acetaldehyde, CAS 75-07-0; arsenic, CAS 7440-38-2; benzene, CAS 71-43-2; 1,3-butadiene, CAS 106-99-0; cadmium, CAS 7440-43-9; and lead, CAS 7439-92-1 from additives. This product may contain detectable amounts of benzo(a)anthracene, CAS 56-55-3; benzo(k)fluoranthene, CAS 207-08-9; benzo(a)pyrene, CAS 50-32-8; benzo(b)fluoranthene, CAS 205-99-2; chrysene, CAS 218-01-9; dibenz(a,h)anthracene, CAS 53-70-3; and indeno(1,2,3-cd)pyrene, CAS 193-39-5. These materials are listed by the State of California as known carcinogens. Our testing of this product indicates that these materials are not always detectable.

This product contains a detectable amount of lead, CAS 7439-92-1 from additives. This material is listed by the State of California as known to cause reproductive toxicity.

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS: This product is not for sale or use in Canada.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

This product is not for sale or use in Canada.

SECTION 16. OTHER INFORMATION

REVISION INFORMATION: SECTION 1: PRODUCT NAME; version identifiers.

LABEL/OTHER INFORMATION: Not available.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product as supplied to the user.

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