



Safety Data Sheet

Date of issue: 2025-11-13

SECTION 1: Identification

Product identifier

Product name

Synthetic Blend Heavy Duty Engine Oils CK-4

Synthetic Blend Heavy Duty Engine Oil (CK-4)

Product Grades 5W-30, 10W-30, 10W-40, 15W-40, 15W-40 15TBN, 15W-50

Recommended use of the chemical and restrictions on use

Heavy Duty Engine Oils

Manufacturer's details

Name Hon-R Chemicals
Address 16950 Wallisville Rd.
Houston TX 77049
USA

Telephone (832) 376-4500

Emergency phone number

Company Phone: 1-832-376-4500
Emergency 24 hr Phone (Chemtrec): 1-800-424-9300 (toll-free)
1-703-527-3887 (local)

SECTION 2: Hazard identification

General hazard statement

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

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Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Component	Identification	Weight %	Classifications
Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract	CAS no.: 64742-54-7 EC no.: 265-157-1 Index no.: 649-467-00-8	60 - 95 %	CLASSIFICATIONS: Carcinogenicity, Cat. 1B. HAZARDS: H350 - May cause cancer [route].
Lubricating oils (petroleum), C20 -50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	CAS no.: 72623-87-1 EC no.: 276-738-4 Index no.: 649-483-00-5	0 - 15 %	CLASSIFICATIONS: Carcinogenicity, Cat. 1B. HAZARDS: H350 - May cause cancer [route].
Additive Mixture		5 - 25 %, Proprietary*	CLASSIFICATIONS: No data available. HAZARDS: No data available.

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	No specific first aid measures are required. Get medical attention if irritation develops and persists.
If inhaled	Remove to fresh air and promote deep breathing. Get medical attention if effects persist. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Wash with plenty of soap and water. Get medical attention if irritation develops or persists. Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF material is hot, treat for thermal burns and get medical attention immediately. Acute and delayed symptoms and effects: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

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If swallowed

Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Personal protective equipment for first-aid responders

No action shall be taken involving any personal risk or without suitable training. Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing.

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Carbon oxides, Sulphur oxides, Sodium oxides

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions

Do not let product enter drains, ditches, or public waterways. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Slippery when spilt. Soak up with inert absorbent material such as clay or sand, and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. For precautions see section 2. Properly dispose of any contaminated rags or cleaning materials.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid contact with any strong oxidizers.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: 64742-54-7 (EC: 265-157-1)

Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Not normally required for consumer use when used as directed.

When handling in bulk quantities: Tightly fitting safety goggles. Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment. Ensure that eyewash stations and/or safety showers are close to the workstation location.

Skin protection

Wear protective gloves, such as nitrile gloves.

Body protection

Not normally required for consumer use when used as directed.

When handling in bulk quantities: Wear suitable protective clothing.

Respiratory protection

Not required under normal use conditions. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

Thermal hazards

Not applicable

SECTION 9: Physical and chemical properties

Physical state	Liquid
Colour	Amber
Odour	Slight Hydrocarbon
Melting point and freezing point	Not Determined
Boiling point or initial boiling point and boiling range	Not Determined
Flammability	Not Determined
Lower and upper explosion limit or lower and upper flammability limit	Not Determined
Flash point	205 C (401 F)
Auto-ignition temperature	Not Determined
Decomposition temperature	Not Determined
pH	Not Determined
Kinematic viscosity	Varies
Solubility	Not Determined
Partition coefficient — n-octanol/water (logarithmic value)	Not Determined

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Vapour pressure	Not Determined
Density and relative density	0.846-0.877
Relative vapour density	Not Determined
Particle characteristics	

Additional properties

Appearance, such as physical state and colour	Clear Amber
Odour threshold	Not Determined
Evaporation rate	Not Determined

SECTION 10: Stability and reactivity

Reactivity

Contact with incompatible materials. Sources of ignition. Exposure to heat.

Chemical stability

Stable under normal storage conditions.

Possibility of hazardous reactions

Reacts with strong oxidising agents.

Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces, direct sunlight, and sources of ignition.

Incompatible materials

Oxidizing agents

Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Acute Oral Effects Test on similar materials indicates low order of acute toxicity.
Acute Inhalation effects Low acute toxicity expected on inhalation

Skin corrosion/irritation

Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse skin painting studies

Serious eye damage/irritation

Minimal irritation on contact. Eye irritation slightly or practically non-irritating based on similar products.

Respiratory or skin sensitization

Minimal irritation.

Germ cell mutagenicity

Not determined.

Carcinogenicity

Not considered a potential carcinogen based on IP346 DMSO of less than 3.0 wt%.

Reproductive toxicity

Not determined.

Specific target organ toxicity (STOT) - single exposure

Low toxicity expected.

Specific target organ toxicity (STOT) - repeated exposure

Low toxicity expected.

Aspiration hazard
Low toxicity expected.

SECTION 12: Ecological information

Toxicity
The information is based on data available for the material, the components of the material, and similar materials.
Ecotoxicity
This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements. Do not Dispose into the environment, in drains or in water courses.

Packaging disposal
Dispose of as unused product.

SECTION 14: Transport information

	UN Number	None
	UN Proper Shipping Name	None
14.3	Transport hazard class(es)	None
14.4	Packing group	None
	Environmental hazards	None
	Special precautions for user	None
	Transport in bulk according to IMO instruments	None

SECTION 15: Regulatory information

Component	CAS no.	RTK (US) for state:	TSCA (US) ¹	CA Prop. 65 ²	pfas ³
Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract	64742-54-7	-	P	-	-
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract	72623-87-1	-	P	-	-

¹ "P"—Public list, "C"—Confidential list. ² "c"—cancer, "r"—reproductive harm. ³ "pfas"—Per- and polyfluoroalkyl substances.

Regulation	Applicability
Canadian Domestic Substances List (DSL)	Chemical name: Distillates (petroleum), hydrotreated heavy paraffinic CAS number: 64742-54-7
EU Cosmetics Prohibited Substances List, (EC) 2009/1223 Annex II	Chemical name/INN: Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract CAS number: 64742-54-7
EU Table of Harmonised Entries (Annex VI to CLP)	Chemical name: Distillates (petroleum), hydrotreated heavy paraffinic CAS number: 64742-54-7
Australian Inventory of Industrial Chemicals	Chemical name: Distillates (petroleum), hydrotreated heavy paraffinic CAS number: 64742-54-7, CR number: 22476

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Australian list of chemicals with high hazards for categorisation	Chemical name: Distillates (petroleum), hydrotreated heavy paraffinic CAS number: 64742-54-7
Canadian Domestic Substances List (DSL)	Chemical name: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS number: 72623-87-1
EU Cosmetics Prohibited Substances List, (EC) 2009/1223 Annex II	Chemical name/INN: Lubricating oils (petroleum), C20 -50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract CAS number: 72623-87-1
EU Table of Harmonised Entries (Annex VI to CLP)	Chemical name: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS number: 72623-87-1
Australian Inventory of Industrial Chemicals	Chemical name: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS number: 72623-87-1, CR number: 28828
Australian list of chemicals with high hazards for categorisation	Chemical name: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS number: 72623-87-1

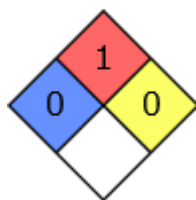
Chemical Safety Assessment

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

HMIS Rating

Synthetic Blend Heavy Duty Engine Oils CK-4	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

Issue Date: November 13, 2025

Revision Date: November 13, 2025

Revision Note: New format, all sections. Updated emergency contact info with Chemtrac contact.