

Revision Date 29-May-2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

GHS product identifier : Full Synthetic SAE 5W-20 Engine Oil
Code : 052
Product type : Liquid.

Identified uses

Motor Oil

Details of the supplier of the safety data sheet

Manufacturer Address : U.S. Lubricants, A Division of U.S. Venture, Inc.
425 Better Way
Appleton, WI 54915

Emergency telephone number

Company Phone Number 800-490-4900
24 Hour Emergency Phone Number 800-688-4005 DTCG84-01-A-900043

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture : Hazardous to the aquatic environment - Chronic Category 2

GHS label elements**Hazard pictogram**

Signal word : No signal word.
Hazard statements : H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention : P273 - Avoid release to the environment.
Response : P391 - Collect spillage.
Storage : Not applicable.
Disposal : P501- Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazards not otherwise classified : Avoid prolonged or repeated contact with used motor oil. Used motor oil has been shown to cause skin cancer in laboratory animals.

Unknown acute toxicity (GHS-US)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : Mixture
Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.
Product code : 052D

Ingredient name	%	CAS number
Petroleum distillates, hydrotreated heavy paraffinic	1 - 5	64742-54-7

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

Description of necessary first aid measures

- Eye contact** : None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
- Inhalation** : Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
- Skin contact** : Wash with soap and water. Get medical attention if irritation develops or persists. Seek medical advice if symptoms persist.
- Ingestion** : No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

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

- Notes to physician** : Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

Specific treatments : No specific treatment.

Protection of first-aiders : No special protection is required.

See toxicological information (Section 11)

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire.

Unsuitable extinguishing media : Do not direct a stream of water into the hot burning liquid.

Specific hazards arising from the chemical : Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

Advice for firefighters : Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

Fire Fighting Methods and Protection

Hazardous Combustion Products : Carbon monoxide, Smoke

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Measures : No health affects expected from the cleanup of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

Environmental precautions : Do not flush to sewer. Avoid runoff into storm sewers and ditches that lead to waterways. Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

Methods and materials for containment and cleaning up

Methods for cleaning up : Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center. P391 - Collect spillage. Follow all protective equipment recommendations provided in Section 8.

Reference to other sections : Follow all protective equipment recommendations provided in Section 8.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures : Mildly irritating material. Avoid unnecessary exposure.

Conditions for safe storage, including any incompatibilities : Store in a cool dry place. Isolate from incompatible materials.

Incompatible materials: See Section 10.

Specific end use(s) : Motor Oil

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	Occupational Exposure Limits	Value
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	OSHA PEL	5 mg/m3
Oil mist, mineral	OSHA PEL	5 mg/m3
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	ACGIH TLV-TWA	5 mg/m3
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m3
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	ACGIH STEL	10mg/m3
Oil mist, mineral	ACGIH STEL	10 mg/m3
None.	IDLH	-
None.	OSHA PEL-Skin Notation	-

Exposure controls

Engineering Measures : Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection	: Respiratory protection will be required when handling this product. Use respirators only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels.
Respirator Type(s)	: None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
Eye Protection	: No special requirements under normal industrial use.
Skin Protection	: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves	: Neoprene, Nitrile

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	: Liquid.
Color	: Amber.
Odor	: Mild.
Odor threshold	: Not determined.
pH	: Not determined.
Freezing point	: Not determined.
Boiling point	: Not determined.
Flash point	: 220
Flash Point Method	: COC
Evaporation rate	: Not determined
Upper Flammable/Explosive Limit, % in air	: Not established.
Lower Flammable/Explosive Limit, % in air	: Not established.
Flammability (solid, gas)	: Not applicable
Vapor pressure	: Not determined
Vapor density	: Not determined
Relative density	: 0.85
Solubility	: Negligible; 0-1%
Octanol/Water Partition Coefficient	: Not determined
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Viscosity(°C)	: 50.93
Volatiles, % by weight	: 0.000000

10. STABILITY AND REACTIVITY

Reactivity	: No data available.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Hazardous polymerization will not occur.
Conditions to avoid	: Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).
Incompatible materials	: Strong oxidizing
Hazardous decomposition products	: Carbon dioxide, Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Ingestion Toxicity

No hazard in normal industrial use. Estimated to be > 5.0 g/kg.

Skin Contact

This material is estimated to be slightly irritating (Primary Irritation Index is 0.5 - 3.0 [rabbits]). Can cause minor skin irritation, defatting, and dermatitis.

Absorption

Likely to be practically non-toxic based on animal data.

Inhalation Toxicity

No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.

Eye Contact

This material is estimated to be non-irritating eyes (Draize score <15 [rabbits]). No hazard in normal industrial use.

Sensitization

Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.

Mutagenicity

No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Carcinogenicity

Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.

Reproductive and Developmental Toxicity

No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Specific target organ toxicity-Single exposure

Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.

Specific target organ toxicity-Repeated exposure

Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.

Aspiration toxicity

Non-hazardous under Aspiration category.

Other information

No data available

Agents Classified by IARC Monographs

Arsenic	IARC Group 1
Ethylene oxide	IARC Group 1
Benzene	IARC Group 1
Not applicable	IARC Group 2A
Ethyl acrylate	IARC Group 2B
1, 4-Dioxane	IARC Group 2B
Propylene oxide	IARC Group 2B

National Toxicity Program (NTP) Status

Not applicable	Known Human Carcinogen
Not applicable	Reasonably anticipated to be a human carcinogen

12. ECOLOGICAL INFORMATION

Toxicity

Acute Aquatic ecotoxicity: Non-hazardous under Aquatic Acute Environment category.

Chronic Aquatic ecotoxicity: H411 - Toxic to aquatic life with long lasting effects.

Persistence and degradability

Biodegrades slowly.

Bioaccumulative potential

Bioconcentration may occur.

Mobility in soil

This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**: Disposal Methods**

Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

Waste Disposal Code(s)**Waste Description for Spent Product**

Spent or discarded material is non-hazardous according to environmental regulations.

Contaminated packaging:

Recycle containers whenever possible.

Recycle containers whenever possible.

14. TRANSPORT INFORMATION

DOT Basic Description

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

15. REGULATORY INFORMATION

Chemical Inventories**TSCA Status**

All components of this material are on the US TSCA Inventory or are exempt.

U.S. State Restrictions:

Not applicable

WHMIS:

Uncontrolled product according to WHMIS classification criteria.

Chemical Name	Regulation	CAS #	%
None.	CERCLA		
None.	SARA 313		

None. SARA EHS

None. TSCA 12b

U.S. State Regulations

Chemical Name	Regulation	CAS #	%
None.	California Prop 65 - Cancer		
None.	California Prop 65 - Toxicity		
None.	California Prop 65 - Reprod-fem		
None.	California Prop 65 - Reprod-male		
None.	Massachusetts RTK List		
None.	New Jersey RTK List		
None.	Pennsylvania RTK List		
None.	Rhode Island RTK List		
None.	Minnesota Hazardous Substance List		

HMIS Ratings:

Health: 1

Fire: 1

Reactivity: 0

PPE: B

NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0

Key: 0 – Least 1 – Slight 2 – Moderate 3 – High 4 - Extreme

16. OTHER INFORMATION**History**

Date of issue mm/dd/yyyy : 05/29/2015

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Prepared by : US Lubricants

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet