

1 Identification

- **Product identifier**
- **Trade name:** GOLDEN 4 SYNTHETIC BLEND 20W/40
- **Application of the substance / the mixture**
Engine oil
Only for proper handling.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MOTOREX USA Inc.
993 Federal Road
Brookfield, CT 06804
(203) 775-1291
www.spectro-oils.com
- **Information department:** Info.usa@motorex.com
- **Emergency telephone number:**
USA + Kanada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void
- **Additional information:**
Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346.



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4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Protective Action Criteria for Chemicals**

· PAC-1:

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	140 mg/m ³
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	140 mg/m ³
112-80-1	oleic acid, pure	220 mg/m ³
71-43-2	benzene	52 ppm
7439-92-1	lead	0.15 mg/m ³

· PAC-2:

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	1,500 mg/m ³
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	1,500 mg/m ³
112-80-1	oleic acid, pure	2,400 mg/m ³
71-43-2	benzene	800 ppm
7439-92-1	lead	120 mg/m ³

· PAC-3:

64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	8,900 mg/m ³
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	8,900 mg/m ³
112-80-1	oleic acid, pure	15,000 mg/m ³
71-43-2	benzene	4000* ppm
7439-92-1	lead	700 mg/m ³

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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7 Handling and storage

- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The recommended storage temperature is (deg.C): ≤50°C
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Additional information about design of technical systems:** No further data; see section 7.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Color:** Amber colored
- **Odor:** Mild petroleum
- **Odor threshold:** Not determined.

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· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.
· Flammability (solid, gaseous):	Not applicable.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	>200 °C
· Decomposition temperature:	Not determined.
· pH-value:	Not determined.
· Viscosity:	
· Kinematic:	>100 mm ² /s @ 40 °C
· Consistency:	
· Dynamic:	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure:	Not determined.
· Vapor pressure:	
· Density at 20 °C:	0.876 g/cm ³ (ASTM D 4052)
· Relative density	Not determined.
· Vapor density	Not determined.
· Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Danger of explosion:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not determined.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - single exposure**
Based on available data, the classification criteria are not met.

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- **Specific target organ toxicity - repeated exposure**
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Carcinogenic categories**

IARC (International Agency for Research on Cancer)

71-43-2	benzene	1
7439-92-1	lead	2B

NTP (National Toxicology Program)

71-43-2	benzene	K
7439-92-1	lead	R

OSHA-Ca (Occupational Safety & Health Administration)

71-43-2	benzene	
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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contact waste processors for recycling information.
Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---------------------------------------|------|
| · UN-Number | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · DOT, ADR/RID/ADN, IMDG, IATA | Void |

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· Transport hazard class(es)	
· DOT, ADR/RID/ADN, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR/RID/ADN, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

71-43-2	benzene
7439-92-1	lead

- **TSCA (Toxic Substances Control Act):**

64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy	ACTIVE
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	ACTIVE
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	ACTIVE
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACTIVE
64742-57-0	Residual oils (petroleum), hydrotreated	ACTIVE
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic	ACTIVE
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	ACTIVE
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic	ACTIVE
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy	ACTIVE
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic	ACTIVE
2215-35-2	Zink-O,O,O',O'-tetrakis(1,3-dimethylbutyl)bis(dithiophosphat)	ACTIVE
113706-15-3	phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	ACTIVE
113706-15-3	phosphorodithioic acid, mixed O,O-bis(sec-Bu and isooctyl) esters, zinc salts	ACTIVE
112-80-1	oleic acid, pure	ACTIVE
71-43-2	benzene	ACTIVE
7439-92-1	lead	ACTIVE

- **Hazardous Air Pollutants**

71-43-2	benzene
7439-92-1	lead

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· Proposition 65
· Chemicals known to cause cancer:

71-43-2	benzene
7439-92-1	lead

· Chemicals known to cause reproductive toxicity for females:

7439-92-1	lead
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· Chemicals known to cause reproductive toxicity for males:

71-43-2	benzene
7439-92-1	lead

· Chemicals known to cause developmental toxicity:

71-43-2	benzene
7439-92-1	lead

· Carcinogenic categories
· EPA (Environmental Protection Agency)

71-43-2	benzene	A, K/L
7439-92-1	lead	B2

· TLV (Threshold Limit Value)

71-43-2	benzene	A1
7439-92-1	lead	A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

71-43-2	benzene
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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

· Date of preparation / last revision 09/26/2024 / -

· * Data compared to the previous version altered.

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