

Product identifier used on the label: MAG SYN 2CYC 63119 12/2.6

Product Code: MAG63119 Revision Date: 05-03-2024 Replaces: 05-02-2024

#### 1. Identification

Product identifier used on the label: MAG SYN 2CYC 63119 12/2.6

**Product Code:** MAG63119

Other means of identification:

Other means of identification:

**Synonyms:** No data available

Recommended use of the chemical and restrictions on use:

**Recommended use:** Lubricants and performance fluids for the automotive industry

**Restrictions on use:** Uses other than those described above

Name, address, and telephone number

of the chemical manufacturer,

importer, or other responsible party:

Highline Warren LLC

8700 Trail Lake Drive West

Suite 300

Memphis, TN 38125

**Phone number:** +01 (901) 437-8615

**E-mail address:** sds@highlinewarren.com

Emergency phone number: CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

#### 2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:







GHS Classification: Germ Cell Mutagenicity Category 1B

Carcinogenicity Category 1A

Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category

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Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure

Category 1

Hazardous to the aquatic environment - Acute Category 1

Hazardous to the aquatic environment - Chronic Category 1

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Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2

Reproductive Toxicity Category 2

Signal Word: Danger

**Hazard Statements:** Causes skin irritation; Causes serious eye irritation; May cause genetic

defects; May cause cancer.; Suspected of damaging fertility or the unborn child.; Causes damage to organs; Causes damage to organs through prolonged or repeated exposure; Very toxic to aquatic life; Very toxic to

aquatic life with long lasting effects

**Precautionary Statements:** 

**Prevention:** Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood. Do not breathe

dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the

environment. Wear protective gloves/protective clothing/eye

protection/face protection.

**Response:** If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with

water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed: Call a poison center/doctor. If exposed

or concerned: Get medical advice/attention. Get medical

advice/attention if you feel unwell. Specific treatment (see Sections 4 - 8

of Safety Data Sheet). If skin irritation occurs: Get medical

advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container in accordance with

local/regional/national/international regulations.

**Hazards not otherwise classified:**No data available

#### 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS#	%
Distillates, petroleum, hydrodesulfurized middle	No data available	64742-80-9	15 - 40
Distillates, petroleum, hydrodesulfurized light catalytic	No data available	68333-25-5	15 - 40

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Chemical Name	Common name and synonyms	CAS#	%
cracked			
Distillates, petroleum, straight- run middle	No data available	64741-44-2	15 - 40
Highly refined synthetic base stocks	No data available	64742-54-7	15 - 40
Kerosene	No data available	8008-20-6	10 - 30
Kerosine, petroleum, hydrodesulfurized	No data available	64742-81-0	7 - 13
Light hydrocracked distillate	No data available	64741-77-1	5 - 10
Naphthalene	No data available	91-20-3	0.5 - 1
Petroleum distillates, hydrotreated heavy paraffinic	No data available	64742-54-7	0.5 - 1
Toluene	No data available	108-88-3	0.1 - 0.5
Ethylbenzene	No data available	100-41-4	0.1 - 0.5
Benzene	No data available	71-43-2	0.1 - 0.5
Distillates, petroleum, solvent- dewaxed light paraffinic	No data available	64742-56-9	0.1 - 0.5
Petroleum distillates, solvent- refined heavy paraffinic	No data available	64741-88-4	0.1 - 0.5
Long chain alkyl phenol	No data available		0.1 - 0.5

#### 4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual

administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

**Eye Contact:** If in eyes: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If eye irritation

persists: Get medical advice/attention.

**Skin Contact:** If on skin: Wash with plenty of water. Specific treatment (see Sections 4 -

8 of Safety Data Sheet). If skin irritation occurs: Get medical

advice/attention. Take off contaminated clothing and wash it before

reuse.

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**Ingestion:** Seek medical attention immediately or call the Poison control center. Do

not induce vomiting. If patient is fully conscious, give up to two glasses

of water. Provide medical care provider with this SDS.

Most important symptoms/effects,

acute and delayed:

Drowsiness. Dizziness. Severe pulmonary irritation

Indication of immediate medical attention and special treatment

needed, if necessary:

Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If exposed or concerned: Get medical advice/attention. If exposed: Call a poison center/doctor. Get medical advice/attention if you feel unwell.

#### 5. Fire-fighting measures

Suitable (and unsuitable) 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. Do not direct a stream of water into the hot burning liquid.

**Unsuitable extinguishing media:** No data available

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.

**Hazardous combustion products:** Carbon dioxide, Carbon monoxide

Special protective equipment and

precautions for fire-fighters:

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

surrounding fire.

#### 6. Accidental release measures

Personal precautions, protective

equipment and emergency procedures:

Avoid release to the environment.

Methods and materials for containment

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and cleaning up:

Collect spillage.

#### 7. Handling and storage

Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety

precautions have been read and understood.

Conditions for safe storage, including

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any incompatibilities:

**Safe storage conditions:** Store locked up.

Materials to Avoid/Chemical

Strong oxidizing agents

Incompatibility:

### 8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH	US WEEL
Highly refined synthetic	5 mg/m3 TWA	5 mg/m3 TWA	10 mg/m3 STEL	No data	No data
base stocks				available	available
Kerosene	No PEL	200 mg/m3	No STEL	No data	No data
		TWA		available	available
		(application			
		restricted to			
		conditions in			
		which there are			
		negligible			
		aerosol			
		exposures, total			
		hydrocarbon			
		vapor, listed			
		under			
		Kerosene/Jet			
		fuels)			
Kerosine, petroleum,	No PEL	200 mg/m3	No STEL	No data	No data
hydrodesulfurized		TWA		available	available
		(application			
		restricted to			
		conditions in			
		which there are			
		negligible			
		aerosol			
		exposures, total			
		hydrocarbon			
		vapor, listed			
		under			
		Kerosene/Jet			
		fuels)			

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Naphthalene	10 ppm TWA; 50 mg/m3 TWA	10 ppm TWA	No STEL	250 ppm IDLH	No data available
Petroleum distillates, hydrotreated heavy paraffinic	5 mg/m3 TWA	5 mg/m3 TWA	10 mg/m3 STEL	No data available	No data available
Toluene	200 ppm TWA	20 ppm TWA	No STEL	500 ppm IDLH	No data available
Benzene	10 ppm TWA (applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028); 1 ppm TWA	0.5 ppm TWA	2.5 ppm STEL	500 ppm IDLH	No data available
Ethylbenzene	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA	No STEL	800 ppm IDLH (10% LEL)	No data available
Biphenyl	0.2 ppm TWA; 1 mg/m3 TWA	0.2 ppm TWA	No STEL	100 mg/m3 IDLH	No data available

Appropriate engineering controls: Local exhaust ventilation or other engineering controls are normally

required when handling or using this product to avoid overexposure.

Individual protection measures, such as personal protective equipment:

**Respiratory Protection:** Do not breathe dust/fume/gas/mist/vapors/spray.

**Respirator Type(s):** If airborne concentrations are above the applicable exposure limits, use

NIOSH/MSHA approved respiratory protection. A respiratory protection

program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2

requirements must be followed whenever workplace conditions warrant

a respirator's use.

**Eye protection:** Wear chemically resistant safety glasses with side shields when handling

this product. Do not wear contact lenses.

**Skin protection:** Wear protective gloves. Inspect gloves for chemical break-through and

replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating,

drinking, and when leaving work.

Gloves: Nitrile, Neoprene

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**General hygiene conditions:** Do not eat, drink or smoke when using this product. Wash hands

thoroughly after handling. Wear protective gloves/protective

clothing/eye protection/face protection.

#### 9. Physical and chemical properties

Appearance (physical state, color etc.):

**Physical state:** Liquid Color: Blue

Odor: Mild Petroleum **Odor Threshold:** Not determined pH: No data available

Melting point/freezing point:

**Melting Point:** No data available Freezing point: No data available No data available

Initial boiling point and boiling range

(°C):

Flash Point (°C): 125

**Evaporation Rate:** No data available Flammability (solid, gas): No data available

Upper/lower flammability or explosive

limits:

Upper flammability or explosive

limits:

Not established

Lower flammability or explosive

limits:

Not established

Vapor pressure: = 10 - 210 MMHG > 3 MMHG

Vapor density: 3.66 4.42 Relative density: 0.85 Solubility(ies): Insoluble

Partition coefficient: n-octanol/water: 3.118 2.65 3.3 **Auto-ignition temperature:** No data available **Decomposition Temperature:** Not determined

38.47 **Viscosity:** 

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**Reactivity:**There are no known reactivity hazards associated with this product.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** None expected under standard conditions of storage.

Conditions to avoid (e.g., static discharge, shock, or vibration):

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 agents

**Hazardous decomposition products:** No data available

#### 11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin

and eye contact):

Eye contact, Ingestion, Inhalation, Skin contact

Symptoms related to the physical,

chemical and toxicological

characteristics:

Drowsiness. Dizziness. Severe pulmonary irritation

#### Delayed and immediate effects and also chronic effects from short- and long-term exposure:

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

**Skin Contact:** Causes skin irritation.

**Inhalation:** No hazard in normal industrial use. Likely to be practically non-toxic

based on animal data.

**Eye Contact:** Causes serious eye irritation

Sensitization: Non-hazardous under Respiratory Sensitization category. No data

available to indicate product or components may be a skin sensitizer.

Mutagenicity: Mutagenic affects in humans may occur.

**Carcinogenicity:** Contains a known human carcinogen.

**Reproductive toxicity**Contains a substance that is a possible reproductive system hazard based

on animal studies at doses that could be encountered in the workplace.

Possible reproductive hazard.

STOT-single exposure: Classification has been based on toxicological information of the

components in Section 3.

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STOT-repeated exposure: Classification has been based on toxicological information of the

components in Section 3.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

Other information: None known.

Numerical measures of toxicity (such as acute toxicity estimates) Based on available data, the classification criteria are not met.

Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
Benzene	Υ	Υ	Υ
Ethylbenzene	Υ	Υ	N
Naphthalene	Υ	Υ	Υ

#### 12. Ecological information

**Ecotoxicity (aquatic and terrestrial,** 

where available):

Severe ecological hazard. This product may be toxic to plants and/or

wildlife.

#### **Ecological Toxicity Data:**

Chemical Name	CAS#	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Biphenyl	92-52-4	EC50 (48h) Daphnia magna 0.63 - 0.85 mg/L	No data available	LC50 (96h) Rainbow Trout 1.4 - 1.6 mg/L LC50 (96h) Lepomis macrochirus (Bluegill) 4.3 - 5.1 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) 1.17 - 1.81 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) 1.65 - 2.29 mg/L

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Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout > 5000 mg/L
Distillates, petroleum, solvent-dewaxed light paraffinic	64742-56-9	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout > 5000 mg/L
Toluene	108-88-3	LC50 (48h) Daphnia magna 5.46 - 9.83 mg/L	Aquatic ERC50 (96h) > 433 mg/L	LC50 (96h) 15.22 - 19.05 mg/L
Benzene	71-43-2	EC50 (48h) Daphnia magna 8.76 - 15.6 mg/L	Aquatic ERC50 (72h) 29 mg/L	LC50 (96h) Rainbow Trout 5.3 mg/L
Ethylbenzene	100-41-4	EC50 (48h) Daphnia magna 1.8 - 2.4 mg/L	Aquatic ERC50 (72h) 4.6 mg/L	LC50 (96h) Rainbow Trout 11 - 18 mg/L
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout > 5000 mg/L
Naphthalene	91-20-3	EC50 (48h) Daphnia magna 2.16 mg/L	No data available	LC50 (96h) Rainbow Trout 1.6 mg/L
Light hydrocracked distillate	64741-77-1	No data available	No data available	LC50 (96h) BRACHYDANIO RERIO 7.3 mg/L
Kerosine, petroleum, hydrodesulfurized	64742-81-0	EC50 (48h) 4720 mg/L	No data available	LC50 (96h) 45 mg/L
Highly refined synthetic base stocks	64742-54-7	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Rainbow Trout > 5000 mg/L
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	No data available	No data available	LC50 (96h) BRACHYDANIO RERIO 7.3 mg/L
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	No data available	No data available	LC50 (96h) Pimephales promelas (Fathead Minnow) 35 mg/L

Persistence and degradability: Biodegrades quickly.

**Bioaccumulative potential:** Bioconcentration may occur.

Mobility in soil: This material is expected to have high mobility in soil. It absorbs weakly

to most soil types.

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Other adverse effects (such as hazardous to the ozone layer):

None known.

#### 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated

Dispose of contents and container in accordance with local/regional/national/international regulations.

packaging:

**Contaminated packaging:** Recycle containers whenever possible.

#### 14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

International carriage of dangerous goods by sea (IMDG/IMO):

**UN number:** Not regulated by IMDG

UN Proper shipping name:Not applicableTransport hazard class(es):Not applicablePacking group, if applicable:Not applicable

International carriage of dangerous goods by air (IATA):

**UN number:** Not regulated by IATA

UN Proper shipping name:

Transport hazard class(es):

Packing group, if applicable:

Not applicable

Not applicable

Environmental hazards (e.g., Marine

pollutant (Yes/No)):

Yes

Transport in bulk (according to Annex II

of MARPOL 73/78 and the IBC Code):

No data available

Special precautions which a user needs to be aware of or needs to comply with

in connection with transport or conveyance either within or outside

No data available

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#### their premises:

### 15. Regulatory information

Safety, health and environmental regulations specific for the product in question:

**TSCA Status:** All components of this material are on the Active US TSCA Inventory or

are exempt.

#### **Regulated Components:**

Chemical Name	CAS#	CERCLA	Sara EHS	Sara 313	U.S. HAP
Distillates,					
petroleum, straight- run middle	64741-44-2	N	N	N	N
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	N	N	N	N
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	N	N	N	N
Highly refined synthetic base stocks	64742-54-7	N	N	N	N
Kerosene	8008-20-6	N	N	N	N
Kerosine, petroleum, hydrodesulfurized	64742-81-0	N	N	N	N
Light hydrocracked distillate	64741-77-1	N	N	N	N
Naphthalene	91-20-3	Υ	N	Υ	Υ
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	N	N	N	N
Toluene	108-88-3	Υ	N	Υ	Υ
Benzene	71-43-2	Υ	N	Υ	Υ
Ethylbenzene	100-41-4	Υ	N	Υ	Υ
Distillates, petroleum, solvent- dewaxed light paraffinic	64742-56-9	N	N	N	N
Petroleum distillates, solvent-refined	64741-88-4	N	N	N	N

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heavy paraffinic					
Biphenyl	92-52-4	Υ	N	Υ	Υ

Chemical Name	CAS#	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Distillates, petroleum, straight- run middle	64741-44-2	N	N	N	N
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	N	N N		N
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	N	Ν	N	N
Highly refined synthetic base stocks	64742-54-7	N	N	N	N
Kerosene	8008-20-6	N	N	N	N
Kerosine, petroleum, hydrodesulfurized	64742-81-0	N	N	N	N
Light hydrocracked distillate	64741-77-1	N	N	N	N
Naphthalene	91-20-3	Υ	N	N	N
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	N	N	N	N
Toluene	108-88-3	N	Υ	N	N
Benzene	71-43-2	Υ	Υ	N	Υ
Ethylbenzene	100-41-4	Υ	N	N	N
Distillates, petroleum, solvent- dewaxed light paraffinic	64742-56-9	N	N	N	N
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	N	N	N	N
Biphenyl	92-52-4	N	N	N	N

California Prop 65

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WARNING: This product can expose you to chemicals including Benzene which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name	CAS#	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Distillates, petroleum, straight- run middle	64741-44-2	N	N	N	N	N
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	N	N	N	N	N
Distillates, petroleum, hydrodesulfurized middle	64742-80-9	N	N	N	N	N
Highly refined synthetic base stocks	64742-54-7	N	N	N	N	N
Kerosene	8008-20-6	Υ	Υ	Υ	N	N
Kerosine, petroleum, hydrodesulfurized	64742-81-0	N	N	N	N	N
Light hydrocracked distillate	64741-77-1	N	N	N	N	N
Naphthalene	91-20-3	Υ	Υ	Υ	N	Υ
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	N	N	N	N	N
Toluene	108-88-3	Υ	Υ	Υ	N	Υ
Benzene	71-43-2	Υ	Υ	Υ	N	Υ
Ethylbenzene	100-41-4	Υ	Υ	Υ	N	Υ
Distillates, petroleum, solvent- dewaxed light paraffinic	64742-56-9	Υ	N	N	N	N
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	N	N	N	N	N
Biphenyl	92-52-4	Υ	Υ	Υ	N	Υ

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#### 16. Other information, including date of preparation or last revision.

SDS Prepared by: EHUGHES
Revision Date: 05-03-2024

Revision Number: 11

**Reason for revision:** Activated by Document Formulation Generation

References:No data availableOther Info:No data available

**Disclaimer:** This safety data sheet and the information it contains is offered to you in

good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents.

No warranty is made, either expressed or implied.