

# NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date:

Version: 1.1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.  
Product code : 71436

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Engine Oil Additive

#### 1.3. Details of the supplier of the safety data sheet

The Next Generation Manufacturing, LLC  
120 Bridge Street Suite 200  
Wheaton, IL 60187  
T 844-643-6776

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Acute Tox. 4 (Inhalation) H332  
Skin Irrit. 2 H315  
Eye Irrit. 2A H319  
STOT SE 3 H336  
STOT SE 3 H335

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning  
Hazard statements (GHS-US) :

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust, fume, gas, mist, vapor, spray  
P264 - Wash affected areas thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves, protective clothing, eye protection, face protection  
P302+P352 - If on skin: Wash with plenty of soap and water  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CONTROL CENTER, doctor, if you feel unwell.  
P321 - Specific treatment: See section 4.1 on SDS  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

#### 2.4. Unknown acute toxicity (GHS US)

No data available

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                               | Product identifier    | %       | GHS-US classification |
|------------------------------------|-----------------------|---------|-----------------------|
| Highly Refined Mineral Oil C15-C50 | (CAS No) Mixture      | 85 - 95 | Not classified        |
| Zinc alkyl dithiophosphate         | (CAS No) 68649-42-3   | 1 - 5   | Not classified        |
| Ethylene-propylene copolymer       | (CAS No) Trade Secret | 1 - 5   | Not classified        |

The exact percentage is a trade secret.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).                                                   |
| First-aid measures after inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.                                 |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment: See section 4.1 on SDS. |
| First-aid measures after eye contact  | : 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.    |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.                                                                                                          |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                      |                                                                        |
|--------------------------------------|------------------------------------------------------------------------|
| Symptoms/injuries after inhalation   | : May cause respiratory irritation. May cause drowsiness or dizziness. |
| Symptoms/injuries after skin contact | : Causes skin irritation.                                              |
| Symptoms/injuries after eye contact  | : Causes serious eye irritation.                                       |

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

|                                |                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.                                                                   |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources.

##### 6.1.1. For non-emergency personnel

|                      |                                   |
|----------------------|-----------------------------------|
| Protective equipment | : Safety glasses. Gloves.         |
| Emergency procedures | : Evacuate unnecessary personnel. |

##### 6.1.2. For emergency responders

|                      |                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection. Avoid breathing dust,fume,gas,mist,vapor spray. |
| Emergency procedures | : Ventilate area.                                                                            |

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

|                         |                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Contain released substance, pump into suitable containers. Dam up the liquid spill. Plug the leak, cut off the supply.                       |
| Methods for cleaning up | : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust, fume, gas, mist, vapor spray. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Comply with applicable regulations.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

Follow Label Directions.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

| Highly Refined Mineral Oil C15-C50 (Mixture) |                                     |                      |
|----------------------------------------------|-------------------------------------|----------------------|
| USA ACGIH                                    | ACGIH TWA (mg/m <sup>3</sup> )      | 5 mg/m <sup>3</sup>  |
| USA ACGIH                                    | ACGIH STEL (mg/m <sup>3</sup> )     | 10 mg/m <sup>3</sup> |
| USA OSHA                                     | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup>  |

#### 8.2. Exposure controls

- Appropriate engineering controls : Local exhaust ventilation, vent hoods . Ensure good ventilation of the work station.
- Personal protective equipment : Avoid all unnecessary exposure. Gloves. Safety glasses.



- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
- Consumer exposure controls : Avoid contact during pregnancy/while nursing.
- Other information : Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Liquid.
- Color : Dark Red.
- Odor : Petroleum-like odour.
- Odor threshold : No data available
- pH : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : > 150 °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : No data available

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|                                 |                       |
|---------------------------------|-----------------------|
| Relative vapor density at 20 °C | : No data available   |
| Relative density                | : 0.861               |
| Solubility                      | : Insoluble in water. |
| Log Pow                         | : No data available   |
| Log Kow                         | : No data available   |
| Viscosity, kinematic            | : No data available   |
| Viscosity, dynamic              | : No data available   |
| Explosive properties            | : No data available   |
| Oxidizing properties            | : No data available   |
| Explosion limits                | : No data available   |

### 9.2. Other information

VOC content : < 5 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Toxic fume. . Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                                     |                                                                                   |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|
| Acute toxicity                                      | : Inhalation: Harmful if inhaled.                                                 |
| Skin corrosion/irritation                           | : Causes skin irritation.                                                         |
| Serious eye damage/irritation                       | : Causes serious eye irritation.                                                  |
| Respiratory or skin sensitization                   | : Not classified                                                                  |
| Germ cell mutagenicity                              | : Not classified Based on available data, the classification criteria are not met |
| Carcinogenicity                                     | : Not classified                                                                  |
| Reproductive toxicity                               | : Not classified                                                                  |
| Specific target organ toxicity (single exposure)    | : May cause drowsiness or dizziness. May cause respiratory irritation.            |
| Specific target organ toxicity (repeated exposure)  | : Not classified                                                                  |
| Aspiration hazard                                   | : Not classified                                                                  |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.               |
| Symptoms/injuries after inhalation                  | : May cause respiratory irritation. May cause drowsiness or dizziness.            |
| Symptoms/injuries after skin contact                | : Causes skin irritation.                                                         |
| Symptoms/injuries after eye contact                 | : Causes serious eye irritation.                                                  |

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

#### NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### Highly Refined Mineral Oil C15-C50 (Mixture)

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

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| <b>Zinc alkyl dithiophosphate (68649-42-3)</b> |                  |
|------------------------------------------------|------------------|
| Persistence and degradability                  | Not established. |

| <b>Ethylene-propylene copolymer (Trade Secret)</b> |                  |
|----------------------------------------------------|------------------|
| Persistence and degradability                      | Not established. |

### 12.3. Bioaccumulative potential

| <b>NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.</b> |                  |
|-----------------------------------------------|------------------|
| Bioaccumulative potential                     | Not established. |

| <b>Highly Refined Mineral Oil C15-C50 (Mixture)</b> |                  |
|-----------------------------------------------------|------------------|
| Bioaccumulative potential                           | Not established. |

| <b>Zinc alkyl dithiophosphate (68649-42-3)</b> |                  |
|------------------------------------------------|------------------|
| Bioaccumulative potential                      | Not established. |

| <b>Ethylene-propylene copolymer (Trade Secret)</b> |                  |
|----------------------------------------------------|------------------|
| Bioaccumulative potential                          | Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

US DOT (ground): Non Regulated,

ICAO/IATA (air): Non Regulated,

IMO/IMDG (water): Non Regulated,

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Non Regulated

### 14.3. Additional information

Other information : No supplementary information available.

### Overland transport

No additional information available

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| <b>NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.</b>                             |                                 |
|---------------------------------------------------------------------------|---------------------------------|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| SARA Section 311/312 Hazard Classes                                       | Immediate (acute) health hazard |

### 15.2. International regulations

#### CANADA

| <b>NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.</b>         |  |
|-------------------------------------------------------|--|
| Listed on the Canadian DSL (Domestic Substances List) |  |

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### EU-Regulations

#### NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

### 15.2.2. National regulations

#### NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on KECI (Korean Existing Chemicals Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

### 15.3. US State regulations

#### NGEN SYNTHETIC GDI ADDITIVE 10 FL. OZ.

|                                                                     |                          |
|---------------------------------------------------------------------|--------------------------|
| U.S. - California - Proposition 65 - Carcinogens List               | No                       |
| U.S. - California - Proposition 65 - Developmental Toxicity         | No                       |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No                       |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male   | No                       |
| State or local regulations                                          | New Jersey Right-to-Know |

#### Highly Refined Mineral Oil C15-C50 (Mixture)

|                                                       |                                                             |                                                                     |                                                                   |                                   |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | Non-significant risk level (NSRL) |
| No                                                    | No                                                          | No                                                                  | No                                                                |                                   |

#### Zinc alkyl dithiophosphate (68649-42-3)

|                                                       |                                                             |                                                                     |                                                                   |                                   |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | Non-significant risk level (NSRL) |
| No                                                    | No                                                          | No                                                                  | No                                                                |                                   |

#### Ethylene-propylene copolymer (Trade Secret)

|                                                       |                                                             |                                                                     |                                                                   |                                   |
|-------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | Non-significant risk level (NSRL) |
| No                                                    | No                                                          | No                                                                  | No                                                                |                                   |

## SECTION 16: Other information

Indication of changes : Revision - See : \*

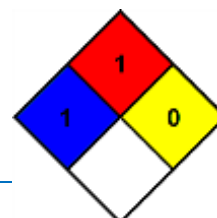
Other information : None.

Full text of H-phrases:

|      |                                   |
|------|-----------------------------------|
| H315 | Causes skin irritation            |
| H319 | Causes serious eye irritation     |
| H332 | Harmful if inhaled                |
| H335 | May cause respiratory irritation  |
| H336 | May cause drowsiness or dizziness |

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.



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NFPA reactivity : 0 - Normally stable, even under fire exposure conditions,  
and are not reactive with water.

### HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible  
Flammability : 1 Slight Hazard  
Physical : 0 Minimal Hazard  
Personal Protection : B

SDS US (GHS HazCom 2012) - TCC

*The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product*

*Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.*