

# MATERIAL SAFETY DATA SHEET

## NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

Version Date: December 2017

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name :** NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

**Product Use :** No information available

**Synonyms :** No information available

#### Company Information

**MAXX OIL INC**

168 N Mason Way,

Unit B-6,

City Of Industry,

CA 91746 USA

**Hunting Line :** +1 626 723 4601

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### 2. HAZARDS IDENTIFICATION

#### GHS- Classification

Skin corrosion/irritation : Category 2

Serious eye damage / eye irritation : Category 1

#### GHS Label elements, including precautionary statements

Pictogram :



Signal word : Danger

Hazard statements :

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H319 : Causes serious eye irritation.

H411 : Toxic to aquatic life with long lasting effects.

Precautionary statements :

#### Prevention

P264 : Wash skin thoroughly after handling.

P280 : Wear protective gloves / eye protection / face protection.

#### Response

P302 + P352 : IF ON SKIN : Wash with plenty of water.

P305 + P351 + P338 + P310 : IF IN EYES : Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor / physician.

P332 + P313 : If skin irritation occurs: Get medical advice / attention.

P362 + P361 : Take off contaminated clothing and wash it before reuse.

# MATERIAL SAFETY DATA SHEET

## NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

Contains : zinc O, O,O' O'-tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate), Phosphorodithioic acid, mixed O, O-bis (sec-Bu and isoctyl) esters, zinc salts

### Other hazards which do not result in classification

Contact with hot material may causes thermal burns

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).

This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

This product is not classified as a skin sensitiser, but contains between 0.1 to <1.0 wt% of substances known to cause skin sensitisation

Warning : If this material is overheated, especially in the presence of water, hydrogen sulphide may be released; this can cause rapid respiratory collapse, coma and death without necessarily any warning odour being sensed.

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### 3. COMPONENT INFORMATION

Component	CAS No.	Concentration (%)	GHS-Classification
Zinc O,O,O',O' - tetrakis (1,3-dimethylbutyl) bis (phosphorodithioate)	Trade Secret	$\geq 0.1 - < 1$	Skin Corr./Skin Irrit. 2; H315 Eye Dam./Eye Irrit. 1; H318 Aquatic Chronic 2; H411
Tallow, trialkoxyamines	61790-67-8	$\geq 0.1 - < 0.5$	Skin Corr./Skin Irrit. 2; H315 Eye Dam./Eye Irrit. 1; H319
Phosphorodithioic acid, mixed O,O-bis (sec-Bu and isoctyl) esters, zinc salts	113706-15-3	$\geq 0.1 - < 0.5$	Skin Corr./Skin Irrit. 2; H315 Eye Dam./Eye Irrit. 1; H318 Aquatic Chronic 2; H411
Long chain alkyl thio carbamide metal complex	Trade Secret	$\geq 0.01 - < 0.2$	Skin Corr./Skin Irrit. 2; H315 Skin Sens. 1; H317

Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### Other:

No information available

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### 4. FIRST AID INFORMATION

#### Eye Contact:

Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and seek immediate medical attention.

#### Skin Contact:

No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately.

#### Inhalation:

This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.

# MATERIAL SAFETY DATA SHEET

## NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

**Ingestion:**

No treatment is necessary under ordinary circumstances. Do not induce vomiting. If victim exhibits signs of lung aspiration such as coughing or choking, seek immediate medical assistance.

**Notes to Physician:**

No information available

**Other:**

No information available

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### 5. FIRE AND EXPLOSION INFORMATION

**Flammable Properties**

**Flash Point** : MIN. 374 °F, 190 °C **Test Method:** ASTM D-92 (C.O.C.)

**Flammable Limits in Air**

**Upper Percent** : No data available

**Lower Percent** : No data available

**Autoignition Temperature** : > 800 °F , > 426.7 °C **Test Method:** No information available

**NFPA Classification:**

Class III-B combustible liquid

**Extinguishing Media:**

Use dry chemical, foam, or carbon dioxide.

**Fire Fighting Measures****Special Fire Fighting Procedures and Equipment:**

Water may be ineffective but can be used to cool containers exposed to heat or flame to prevent vapor pressure buildup and possible container rupture. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

**Unusual Fire and Explosion Conditions:**

Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

**Hazardous Combustion By-Products:**

None

**Other:**

No information available

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### 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:**

Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10.

**Regulatory Notifications:**

Notify appropriate authorities of spill.

# MATERIAL SAFETY DATA SHEET

## NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

### **Containment and Clean up:**

Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

### **Other:**

No information available

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## **7. HANDLING AND STORAGE INFORMATION**

### **Handling:**

Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106--Flammable and Combustible Liquids.

### **Storage:**

Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing materials.

### **Empty Container Warnings**

#### **Drums:**

Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed. Empty containers retain product residue and can be dangerous.

#### **Plastic:**

Empty container may retain product residues.

### **Other:**

No information available

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## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION**

### **Exposure Limits and Guidelines**

This product does not contain any components with OSHA or ACGIH exposure limits.

### **Personal Protective Equipment**

#### **Eye/Face Protection:**

Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

#### **Skin Protection:**

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing (boots, gloves, aprons, etc.). Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated.

#### **Respiratory Protection:**

Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

# MATERIAL SAFETY DATA SHEET

## NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

### Personal Hygiene:

Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

### Engineering Controls / Work Practices

#### Ventilation:

If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits.

#### Other:

The OSHA permissible exposure limit (PEL) and ACGIH threshold limit value (TLV) for oil mist is 5 mg/m<sup>3</sup>. Chronic exposures below 5 mg/m<sup>3</sup> are without significant health risks. The ACGIH short-term exposure limit (STEL) for oil mist is 10 mg/m<sup>3</sup>.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b> : Amber Colour	
<b>Odor</b> : Mild	<b>Vapor Pressure:</b> No data available
<b>Physical state</b> : Liquid	<b>Vapor Density (air=1)</b> : No data available
<b>PH</b> : No data available	<b>Percent Volatile by Volume</b> : No data available
<b>Boiling Point</b> : 608 °F , 320 °C	<b>Volatile Organic Content</b> : No data available
<b>Melting Point</b> : No data available	<b>Molecular Weight</b> : No data available
<b>Specific Gravity</b> : 0.8608	<b>Average Carbon Number</b> : No data available
<b>Pour Point</b> : -43.6 °F, -42 °C	<b>Viscosity @ 100 °C</b> : 8.6 cSt
	<b>Viscosity @ 40 °C</b> : 48 cSt
<b>Solubility in Water</b> : Nil in water	
<b>Octanol / Water Coefficient: Log K<sub>ow</sub></b> = No data available on the product itself	

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## 10. STABILITY AND REACTIVITY INFORMATION

### Chemical Stability:

Stable

### Conditions to Avoid:

High heat and open flames.

### Incompatible Materials to Avoid:

May react with strong oxidizing agents.

### Other:

No information available on the product itself.

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## 11. TOXICOLOGICAL INFORMATION

### Primary Eye Irritation:

No information available on the product itself.

### Primary Skin Irritation:

No information available on the product itself.

# MATERIAL SAFETY DATA SHEET

## NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

**Acute Dermal Toxicity:**

No information available on the product itself.

**Subacute Dermal Toxicity:**

No information available on the product itself.

**Dermal Sensitization:**

No information available on the product itself.

**Inhalation Toxicity:**

No information available on the product itself.

**Inhalation Sensitization:**

No information available on the product itself.

**Oral Toxicity:**

No information available on the product itself.

**Mutagenicity:**

No information available on the product itself.

**Carcinogenicity:**

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate data to evaluate the carcinogenicity to experimental animals of this class of product. IARC has concluded there is sufficient evidence that used gasoline-engine motor oils produce skin tumors in experimental animals. Also, IARC has determined this class of products belongs to Group 3-"not classifiable as to its carcinogenicity to humans".

**Reproductive and Developmental Toxicity:**

No information available on the product itself.

**Teratogenicity:**

No information available on the product itself.

**Immunotoxicity:**

No information available on the product itself.

**Neurotoxicity:**

No information available on the product itself.

**Other:**

No information available on the product itself.

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## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:**

No information available on the product itself.

**Terrestrial Toxicity:**

No information available on the product itself.

**Chemical Fate and Transport:**

No information available on the product itself.

**MATERIAL SAFETY DATA SHEET**  
NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

**Other:**

No information available on the product itself.

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**13. DISPOSAL INFORMATION**

**Regulatory Information:**

All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

**Waste Disposal Methods:**

Waste material may be landfilled or incinerated at an approved facility. Materials should be recycled if possible.

**Other:**

No information available on the product itself.

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**14. TRANSPORTATION INFORMATION**

**U.S. Department of Transportation (DOT)**

**Highway / Rail (Bulk)** : Not regulated for transport by land

**Highway / Rail (Non-Bulk)** : Not regulated for transport by land

For US shipments, US DOT law requires the shipper to determine the proper shipping description of the material that is being shipped. The shipping information and description contained in this section may not be suitable for all shipments of this material, but may help the shipper determine the proper shipping description for a particular shipment.

**International Information**

Vessel : IMDG Regulated : --      IMDG Not Regulated: ~~X~~

Air : ICAO Regulated : --      ICAO Not Regulated: ~~X~~

**Other:**

Not regulated for transport by land.

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**15. Regulatory Information**

**Regulatory Lists Searched:**

The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See Regulatory Search Results below.

**Health & Safety:**

10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA, 21 CFR Total food additives, 23 - NFPA 49 or 325

**Environmental:**

30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depletors, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCMI,

# MATERIAL SAFETY DATA SHEET

## NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45- CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

### **International:**

50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification

### **State Lists:**

60 - CA - Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

### **Inventories:**

80 - Canada - Domestic substances , 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA , 85 - China Inventory

### **Regulatory Search Results:**

No components appear on any of the regulatory lists searched.

### **U.S. TSCA Inventory:**

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

### **IARC:**

No information available on the product itself.

### **Canadian WHMIS Classification**

Not a controlled substance under WHMIS

### **European Union Classification**

**Hazard Symbols** : No classification recommended

**Risk Phrases** : No classification recommended

**Safety Phrases** : No classification recommended

### **Other:**

No information available.

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## **16. OTHER INFORMATION**

### **Key to the H-Statements contained in sections 2 and 3 of this document.**

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H318 : Causes serious eye damage.

H319 : Causes serious eye irritation.

H411 : Toxic to aquatic life with long lasting effects.

### **WARNING :**

Continuous contact with used gasoline engine oils has caused skin cancer in animal tests. Avoid prolonged or repeated contact with eyes, skin and clothing. Wash skin with soap and water after handling.

KEEP OUT OF REACH OF CHILDREN.



**MATERIAL SAFETY DATA SHEET**  
NANO PLUS PRO MAX FULLY SYNTHETIC MOTOR OIL SAE 0W20 API SN

**Other :**

No information available.

**Revision changes since the previous version are marked in the margins throughout this document**

**Prepared By :** MAXX OIL INC  
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**Revision date :** December 2017

**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.**