

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

Safety Data Sheet

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

Revision date: 08/13/2014

Version:

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

1.1. Product identifier

Product form : Mixture
Trade name : NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.
Product code : 71032

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

Use of the substance/mixture : Engine Treatment

1.3. Details of the supplier of the safety data sheet

The Next Generation Manufacturing, LLC
423 W. WESLEY
Wheaton, IL 60187
T 844-643-6776

1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

Signal word (GHS-US) : Warning

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

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Distillates (petroleum), solvent-dewaxed heavy paraffinic	(CAS No) 64742-65-0	72-90	Not classified
distillates (petroleum), hydrotreated heavy naphthenic	(CAS No) 64742-52-5	10 - 30	Not classified
Mineral Oil Mixture	(CAS No) Proprietary	0.6 - 1	Asp. Tox. 1, H304
ALKYL DITHIOPHOSPHATE	(CAS No) Proprietary	0.396 - 0.66	Not classified
white mineral oil (petroleum)	(CAS No) 8042-47-5	0.3 - 0.6	Asp. Tox. 1, H304
lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	(CAS No) 72623-86-0	0.3 - 0.6	Not classified
PARAFFINUM LIQUIDUM	(CAS No) 8012-95-1	0.3 - 0.6	Not classified
distillates (petroleum), hydrotreated light paraffinic	(CAS No) 64742-55-8	0.01 - 0.05	Not classified
distillates (petroleum), solvent-refined heavy paraffinic	(CAS No) 64741-88-4	0.01 - 0.05	Not classified
dicyclopentadiene, non stabilized	(CAS No) 77-73-6	0.0066 - 0.03234	Not classified

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 : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

Safety Data Sheet

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

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 : Not expected to present a significant hazard under anticipated conditions of normal use.

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 : Gloves. Safety glasses.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

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 : Dam up the liquid spill.

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.

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.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

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

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ MIST 8 HOURS
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ MIST 8 HOURS

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

Safety Data Sheet

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

white mineral oil (petroleum) (8042-47-5)		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³ MIST 8 HOURS
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ MIST 8 HOURS
Mineral Oil Mixture (Proprietary)		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ Oil Mist Limit
dicyclopentadiene, non stabilized (77-73-6)		
USA ACGIH	ACGIH TWA (ppm)	5 ppm
USA ACGIH	ACGIH STEL (ppm)	5 ppm

8.2. Exposure controls

Appropriate engineering controls : Local exhaust venilation, vent hoods.
Personal protective equipment : Gloves. Safety glasses. Avoid all unnecessary exposure.



Hand protection : Wear protective gloves.
Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : Wear appropriate mask.
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
Molecular mass : 695 g/mol
Color : milky.
Odor : characteristic.
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : Pour Point 20 deg F
Freezing point : No data available
Boiling point : 442 °C
Flash point : > 293 °C
Auto-ignition temperature : 387 °C
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20 °C : > 5
Relative density : 0.89 @60F
Density : 0.86 g/cm³
Solubility : Insoluble in water.
Water: Negligible
Log Pow : 3.9 - 6 (Calculated)
Log Kow : No data available
Viscosity, kinematic : 2619.3 SUS @ 100 deg F
Viscosity, dynamic : No data available

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

Safety Data Sheet

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

Oxidizing properties : No data available

Explosive limits : No data available

9.2. Other information

VOC content : 0 %

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 : Not classified

white mineral oil (petroleum) (8042-47-5)	
LD50 oral rat	> 5000 mg/kg (Rat; Experimental value,Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value,Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat; Experimental value)

distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	
LD50 oral rat	> 5000 mg/kg body weight
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h

Mineral Oil Mixture (Proprietary)	
LD50 oral rat	> 5000 mg/kg (Rat; Experimental value,Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value,Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat; Experimental value)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classifiedBased on available data, the classification criteria are not met
Carcinogenicity : Not classified

white mineral oil (petroleum) (8042-47-5)	
IARC group	3

distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	
IARC group	3

Mineral Oil Mixture (Proprietary)	
IARC group	3

Reproductive toxicity : Not classifiedBased on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classifiedBased on available data, the classification criteria are not met

Aspiration hazard : Not classifiedBased on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

Safety Data Sheet

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

SECTION 12: Ecological information

12.1. Toxicity

white mineral oil (petroleum) (8042-47-5)	
LC50 fish 1	> 100 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)
Threshold limit algae 1	>= 100 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)

Mineral Oil Mixture (Proprietary)	
LC50 fish 1	> 100 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)
Threshold limit algae 1	>= 100 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)

12.2. Persistence and degradability

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.	
Persistence and degradability	Not established.

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Persistence and degradability	Biodegradability in water: no data available. Not established.

white mineral oil (petroleum) (8042-47-5)	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.

lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
Persistence and degradability	Not established.

PARAFFINUM LIQUIDUM (8012-95-1)	
Persistence and degradability	Not established.

Mineral Oil Mixture (Proprietary)	
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available.

distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Persistence and degradability	Not established.

distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
Persistence and degradability	Not established.

dicyclopentadiene, non stabilized (77-73-6)	
Persistence and degradability	Not established.

ALKYL DITHIOPHOSPHATE (Proprietary)	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.	
Log Pow	3.9 - 6 (Calculated)
Bioaccumulative potential	Not established.

Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	
Log Pow	3.9 - 6 (Calculated)
Bioaccumulative potential	No bioaccumulation data available. Not established.

white mineral oil (petroleum) (8042-47-5)	
Bioaccumulative potential	No bioaccumulation data available.

lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)	
Bioaccumulative potential	Not established.

PARAFFINUM LIQUIDUM (8012-95-1)	
Bioaccumulative potential	Not established.

Mineral Oil Mixture (Proprietary)	
Bioaccumulative potential	No bioaccumulation data available.

distillates (petroleum), hydrotreated light paraffinic (64742-55-8)	
Bioaccumulative potential	Not established.

distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)	
Bioaccumulative potential	Not established.

dicyclopentadiene, non stabilized (77-73-6)	
Bioaccumulative potential	Not established.

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

Safety Data Sheet

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

ALKYL DITHIOPHOSPHATE (Proprietary)

Bioaccumulative potential	Not established.
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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.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

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

US DOT (ground): Not Regulated,

ICAO/IATA (air): Not Regulated,

IMO/IMDG (water): Not Regulated,

14.2. UN proper shipping name

DOT Proper Shipping Name : Not 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

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
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Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)

SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
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distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)

SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
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15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

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

Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.2; R45

Full text of R-phrases: see section 16

15.2.2. National regulations

No additional information available

NGEN BLUE SHIELD ENGINE TREATMENT WITH PTFE 16 FL.OZ.

Safety Data Sheet

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

15.3. US State regulations

No additional information available

SECTION 16: Other information

Indication of changes : Revision - See : *.

Other information : None.

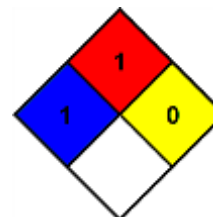
Full text of H-phrases: see section 16:

Asp. Tox. 1	Aspiration hazard Category 1
H304	May be fatal if swallowed and enters airways

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.

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) - Technical Chemical

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

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