# SAFETY DATA SHEET



# 1. Identification

Product identifier	SYNTHETIC OIL 186C
Other means of identification	
Product Code	SYNTHETIC OIL 186C
Recommended use	Lubricating Oil
Recommended restrictions	None known.
Manufacturer/Importer/Supplier	r/Distributor information
Company name	Nye Lubricants, Inc.
	A Member of the FUCHS Group
Address	12 Howland Road
	Fairhaven, MA 02719
	USA
Telephone	+1 508 996 6721
E-mail	sds@fuchs.com
Emergency telephone	+1 866 519 4752
number	334212
Access code Website	www.nyelubricants.com
	-
2. Hazard(s) identification	1
Physical hazards	Not classified.
Health hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

# 3. Composition/information on ingredients

#### **Mixtures**

The manufacturer lists no ingredients as hazardous to health according to OSHA 29 CFR 1910.1200.

4. First-aid measures	
Inhalation	Move to fresh air.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Get medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

ymptomiselffects, acute and lelayed ndication of immediate reatiment needed Sinerei Information and special restitute the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. 5. Fire-fighting measures Suitable extinguishing media Insuitable extinguishing media needia Duning fire, gases hazardous to health may be formed. the chemical protective quipment in protective quipment and procesurions for firefighting repecific nethods Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. No unusual fire or explosion hazards noted. 6. Accidental release measures refersonal precautions, refersonal precautions, refersonal precautions, retextive equipment and cleaning up possible. Absorb in vermiculie, dry sand or earth and place into containers. Following product recovery, flush area with water. Snall Spillis: Wpe up with absorbent material. Clean containinated surface thoroughly. This material is classified as a water pollutant under the Clean Water Act and should be prevented from containiment and cleaning up containiment and cleaning up possible. Absorb in vermiculie, dry sand or earth and place into containers. Following product recovery, flush area with water. Snall Spillis: Wpe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual containination. Never roturn spills to original containers for e-use. For waste disposal, see section 13 of the SDS. Clean up spillis immedialely, observing precautions in Protec			
nedical attention and special restances the tedd Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.   5. Fire-fighting measures Statuble extinguishing media Insuitable extinguishing and the extinguishing media Insuitable extinguishing and the explored material, this in which itsel Otic waterways. Large Splits Stop the flow of material, if this is whore the signed material where the is possible. Absorb in verniculia, dy said or earth and place into containers. Following product recovery, flush area with water. Stop Insuitable extinguishing into drainers for dipease. Insuitable ext	Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.	
5. Fire-fighting measures   vitable extinguishing media   Insuitable extinguishing media   precific hazards arising from   During fire, gases hazardous to health may be formed.   becking in the chemical isoperation of the fire fighting   regical protective equipment   medical specific hazards arising from   purp fire, gases hazardous to health may be formed.   specific methods   specific methods   use standard firefighting procedures and consider the hazards of other involved materials.   No unusual fire or explosion hazards noted.   6. Accidental release measures   Vertextext explorement and mergency procedures   Rethods and materials for for involved materials.   No unusual fire or explosion hazards noted.   6. Accidental release measures   Vertextext explorement and mergency procedures   Rethods and materials for for involved materials.   No unusual fire or explosion hazards noted.   Soak up with inert absorbent material. Clean contaminated surface thoroughly. This material is cleasified as a vater pollutant under the Clean Water Act and should be prevented from containents. Following product recovery, flush area with water.   Small Splits: Wipe up with absorbent material. (fit is without risk. Dike the splited material. where this is possible. Absorb in vermiculite, dry sand or earth an	Indication of immediate medical attention and special treatment needed	Treat symptomatically.	
Nutable extinguishing media insuitable extinguishing media protection taxards arising from the chemical precisit protective equipment and precautions for firelighters is fighting quipmentinstructions   Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Do not use water jet as an extinguisher, as this will spread the fire.     Specific hezards arising from the chemical precation for firelighters is fighting quipmentinstructions   Self-contained breathing apparatus and full protective clothing must be worn in case of fire.     More containers from fire area if you can do so without risk.   Self-contained breathing apparatus and full protective clothing must be worn in case of fire.     Sender fire hezards   Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.     Sender targe spains   Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. rotective equipment and mergency procedures     Reichds and materials for containment and cleaning up oritainment and cleaning up oritain arita procesuitons   Note were the splits to original containers for euse. For waste disposal, see section 13 of the SDS. Clean up splits: whipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to recovery, flush area with water.     T. Handling and storage oritions for sa	General information		
Insultable extinguishing nedia   Do not use water jet as an extinguisher, as this will spread the fire.     precific hazards arising from the chemical specific netards arising from digrecutions for firefighters   During fire, gases hazardous to health may be formed.     Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   Self-contained breathing apparatus and full protective clothing must be worn in case of fire.     Seneral fire hazards   No unusual fire or explosion hazards noted.   No unusual fire or explosion hazards noted.     Seneral fire hazards   No unusual fire or explosion hazards noted.   Solve purpore explosion hazards noted.     Solve equipment and mergency procedures   Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.     Solve outline and treat sfor ontainment and cleaning up containment and cleaning up containment and cleaning up invertexture splils. Stop the flow of material, if this is without risk. Dike the spliled material is classified as a water pollutant under the Clean Water Act and should be prevented from containment apprecautors     Solve verture splils. Stop the flow of finaterial, if this is without risk. Dike the spliled material, is classified as a water pollutant under the Clean Water Act and should be prevented from containments precautors.     Clean up splils is medialish (Wp up with haborbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual containers for disposal.     Avoid discharge into drains, water courses or onto the ground.   Avoi	5. Fire-fighting measures		
nedia During fire, gases hazardous to health may be formed.   specific hazards arising from he chemical special protective equipment ing fighting quipment/instructions Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   Special protective equipment ing fighting quipment/instructions Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   Senderland Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.   6. Accidental release measures Seep unnecessary personnel away. For personal protection, see section 8 of the SDS.   releaded and therefield in a standard firefighting soil or from entering swage and drainage systems which lead to waterways. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculle, dry sand or earth and place into containers. Following product recovers, hus area with water.   Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual containers for disposal.   Avvid discharge into disposal. Avvid discharge into drains, water courses or onto the ground.   7. Handling and storage, conditions for safe storage, recluding any incompatibilities No biological exposure limits noted for the ingredient(s).   8. Exposure controls/personal protection Soberve good industrial hygiene practices.   8. Exposure contorls/personal protection So	Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).	
be chemical ispecial protective equipment and precautions for firefighting quipment/instructions Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   Move containers from fire area if you can do so without risk. Wowe containers from fire area if you can do so without risk.   Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.   6. Accidental release measures Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.   Personal procedures Soak up with inert absorbent material. Clean contaminated surface thoroughly. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.   Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, fush area with water.   Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual containners for disposal.   Avoid discharge into drains, water courses or onto the ground.   7. Handling and storage. recutions for safe handling conditions for safe storage. reluding any incompatibilities Store in tightly closed containers. Store away from incompatible materials (see Section 10 of the SDS).   8. Exposure controls/personal protection Store in tightly closed containers fo	Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
ind precautions for firefighters itre fighting quipment/instructions becific methods Seneral fire hazards 6. Accidental release measures become and materials for ersonal precautions, where unnecessary personnel away. For personal protection, see section 8 of the SDS. Forecontive equipment and mergency procedures Bethods and materials for solar material cleaning up containment and cleaning up containers for disposal. Avoid discharge into drainers for re-use. For waste disposal, see section 13 of the SDS. Clean up splils immediately, observing precautions in Protective Equipment section. Sweep up and showel into suitable containers for disposal. Avoid discharge into drainers, water courses or onto the ground. 7. Handling and storage controls/personal protection Solar in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). 8. Exposure controls/personal protection material close no thave established exposure limits. Under condi	Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.	
quipment/instructions   Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.     6. Accidental release measures   No unusual fire or explosion hazards noted.     7. Accidental release measures   Soak up with inert absorbent material. Clean contaminated surface thoroughly. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and trainage systems which lead to waterways.     Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into contaminers. Following product recovery, flush area with water.     Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for resuse. For waste disposal, see section 13 of the SDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.     Avoid discharge into drains, water courses or onto the ground.   7. Handling and storage     7. Handling and storage.   Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).     8. Exposure controls/personal protection   This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter     word discharge into devise below reconowneedde exposure limits. If exposure limits have n	Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
Beneral fire hazards   No unusual fire or explosion hazards noted.     6. Accidental release measures     Personal precautions, more diverse of the processory personnel away. For personal protection, see section 8 of the SDS.     Soak up with inert absorbent material. Clean contaminated surface thoroughly. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.     Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.     Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual containers for disposal.     Avoid discharge into drains, water courses.     Avoid discharge into drains, water courses.     Avoid discharge into drains, water courses.     Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).     8. Exposure controls/personal protection     Stopered measures     No biological exposure limits noted for the ingredient(s).     This material does not have established exposure limits. Under conditions which may generat mists, observe the OSTA PEL of 5 mg per cubic meter     Stoposure guidelines   No biological exposure limits noted for the ingredient(s).     This materia	Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.	
6. Accidental release measures   Fersonal precautions, protective equipment and mergency procedures   Rethods and materials for containment and cleaning up   Soak up with inert absorbent material. Clean contaminated surface thoroughly. This material is classified as a water pollutant under the Clean Water Act and should be prevented from containmating soil or from entering sewage and drainage systems which lead to waterways.   Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermicultie, dry sand or earth and place into containers. Following product recovery, flush area with water.   Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual containners for re-use. For waste disposal, see section 13 of the SDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.   Avoid discharge into drains, water courses or onto the ground.   7. Handling and storage   Observe good industrial hygiene practices.   8. Exposure controls/personal protection   Biological limit values   xopsoure guidelines   wppropriate engineering controls   Motiogical exposure limits noted for the ingredient(s).   This material does not have established exposure limits. Under conditions which may generate misis, observe the OSHA PEL of S ng per cubic meter   Good general ventillation should be used. Ventillation, rates should be	Specific methods		
Personal precautions, protective equipment and mergency procedures fethods and materials for containment and cleaning up isontainment and cleaning up Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.   Soak up with inert absorbent material. Clean contaminated surface thoroughly. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.   Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in verniculite, dry sand or earth and place into containiners. Following product recovery, flush area with water.   Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual containers for re-use. For waste disposal, see section 13 of the SDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.   Avoid discharge Observe good industrial hygiene practices.   Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).   8. Exposure controls/personal protection is ported and should be material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter   Good general ventilation should be used. Ventilation are drainer engineering ontrols No biological exposure limits noted for the ingredient(s).   trypprinte engineering ontrols This material does not have established exposure limits. Inder conditions	General fire hazards	No unusual fire or explosion hazards noted.	
increasing of the second se	6. Accidental release mea	sures	
classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.   Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.   Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.   Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.   Avoid discharge into drains, water courses or onto the ground.   7. Handling and storage recautions for safe storage, ncluding any incompatibilities   Stop in tiphty closed container. Store away from incompatible materials (see Section 10 of the SDS).   8. Exposure controls/personal protection   Stological limit values icontrols No biological exposure limits noted for the ingredient(s).   This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter   Opporpriate engineering icontrols God general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering to maintain airiborne levels below recommended exposure limits. If exp	Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.	
possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.   Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.   Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.   Avoid discharge into drains, water courses or onto the ground.   7. Handling and storage   Precautions for safe handling   Cobserve good industrial hygiene practices.   Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).   8. Exposure controls/personal protection   Biological limit values No biological exposure limits noted for the ingredient(s).   This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter   Appropriate engineering controls God general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborme levels below recommended exposure limits. If exposure limits have not been established, maintain airborme levels below recombuse to an acceptable level.   notirols Wear appropriate chemical resistant gloves.	Methods and materials for containment and cleaning up	classified as a water pollutant under the Clean Water Act and should be prevented from	
remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal. Avoid discharge into drains, water courses or onto the ground. 7. Handling and storage Precautions for safe handling Conditions for safe storage, ncluding any incompatibilities 8. Exposure controls/personal protection Biological limit values stopsoure guidelines No biological exposure limits noted for the ingredient(s). This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter Sod general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls Mo a personal protective equipment Eyefface protection Hand protection Wear appropriate chemical resistant gloves.		possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product	
Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal. Avoid discharge into drains, water courses or onto the ground. 7. Handling and storage Precautions for safe handling Conditions for safe storage, including any incompatibilities Biological limit values Exposure controls/personal protection Biological limit values Exposure guidelines Avoid discharge into drains, water courses or onto the ground. This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter Good general ventilation should be used. Ventilation, or other engineering controls biological protection measures, such as personal protective equipment Eye/face protection Hand protection Hand protection Hand protection			
7. Handling and storage   Precautions for safe handling Observe good industrial hygiene practices.   Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).   8. Exposure controls/personal protection   Biological limit values No biological exposure limits noted for the ingredient(s).   This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter   Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.   Individual protection measures, such as personal protective equipment Wear safety glasses with side shields (or goggles).   Skin protection Wear appropriate chemical resistant gloves.		Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and	
Precautions for safe handling Conditions for safe storage, including any incompatibilities Observe good industrial hygiene practices. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).   8. Exposure controls/personal protection No biological exposure limits noted for the ingredient(s).   Biological limit values No biological exposure limits noted for the ingredient(s).   Exposure guidelines This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter   Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.   ndividual protection measures, such as personal protective equipment Eye/face protection Wear safety glasses with side shields (or goggles).   Skin protection Hand protection Wear appropriate chemical resistant gloves.	Environmental precautions	Avoid discharge into drains, water courses or onto the ground.	
Conditions for safe storage, including any incompatibilitiesStore in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).8. Exposure controls/personal protectionNo biological exposure limits noted for the ingredient(s).Biological limit valuesNo biological exposure limits noted for the ingredient(s).Exposure guidelinesThis material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meterAppropriate engineering controlsGood general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.Individual protection measures, such as personal protective equipment Eye/face protection Hand protectionWear appropriate chemical resistant gloves.	7. Handling and storage		
Including any incompatibilities SDS).   8. Exposure controls/personal protection   Biological limit values No biological exposure limits noted for the ingredient(s).   Exposure guidelines This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter   Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.   Individual protection measures, such as personal protective equipment Wear safety glasses with side shields (or goggles).   Skin protection Hand protection Wear appropriate chemical resistant gloves.	Precautions for safe handling	Observe good industrial hygiene practices.	
Biological limit valuesNo biological exposure limits noted for the ingredient(s).Exposure guidelinesThis material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meterAppropriate engineering controlsGood general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.Individual protection measures, such as personal protective equipment Eye/face protection Hand protectionWear safety glasses with side shields (or goggles).	Conditions for safe storage, including any incompatibilities		
Exposure guidelinesThis material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meterAppropriate engineering controlsGood general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.Individual protection measures, Eye/face protection Hand protectionSkin protection Wear safety glasses with side shields (or goggles).Skin protection Hand protectionWear appropriate chemical resistant gloves.	8. Exposure controls/pers	onal protection	
Appropriate engineering controlsmists, observe the OSHA PEL of 5 mg per cubic meterGood general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.Individual protection measures, Eye/face protection Hand protectionSkin protection Wear appropriate chemical resistant gloves.	Biological limit values	No biological exposure limits noted for the ingredient(s).	
controlsapplicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.ndividual protection measures, Eye/face protectionsuch as personal protective equipment Wear safety glasses with side shields (or goggles).Skin protection Hand protectionWear appropriate chemical resistant gloves.	Exposure guidelines		
Eye/face protectionWear safety glasses with side shields (or goggles).Skin protection Hand protectionWear appropriate chemical resistant gloves.	Appropriate engineering controls	applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been	
Skin protection Wear appropriate chemical resistant gloves.	-		
Hand protection   Wear appropriate chemical resistant gloves.			
	-	Wear appropriate chemical resistant gloves.	

#### Respiratory protection Thermal hazards



General hygiene considerations

In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate thermal protective clothing, when necessary.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

# 9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Light yellow.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	482.0 °F (250.0 °C) ASTM D-92
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.83 g/cm <sup>3</sup>
Explosive properties	Not explosive.
Flammability class	Combustible IIIB estimated
Kinematic viscosity	119 cSt
Kinematic viscosity temperature	104 °F (40 °C)
Oxidizing properties	Not oxidizing.
Pour point	-54.4 °F (-48 °C)
Shelf life	4 years
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.

Possibility of hazardousHazardous polymerization does not occur.

reactions

Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong acids, alkalies and oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of phosphorus.

# 11. Toxicological information

11. Toxicological informa	uon	
Information on likely routes of e	exposure	
Inhalation	No adverse effects due to inhalation are expected.	
Skin contact	No adverse effects due to skin contact are expected.	
Eye contact	Direct contact with eyes may cause temporary irritation.	
Ingestion	Expected to be a low ingestion hazard.	
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.	
Information on toxicological effe	ects	
Acute toxicity	Not available.	
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.	
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitization.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Not classifiable as to carcinogenicity to humans.	
Not listed. US. National Toxicology Program (NTP) Report on Carcinogens Not listed.		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
12. Ecological information	n	
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.	
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.	
Bioaccumulative potential		
Mobility in soil	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	
13. Disposal consideratio	ns	
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.	
Local disposal regulations	Dispose in accordance with all applicable regulations.	
Hazardous waste code	s waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).	
Material name: SYNTHETIC OII 186		

Material name: SYNTHETIC OIL 186C

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

#### DOT

~		
	UN number	UN3082
	UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (TRIPHENYL PHOSPHATE, TERT-BUTYLATED PHOSPHATE MIXTURES CONTAINING 10% TO 48% TRIPHENYL PHOSPHATES), MARINE POLLUTANT
	Transport hazard class(es)	
	Class	9
	Subsidiary hazard	-
	Label(s)	9
	Packing group	
	Environmental hazards	
	Marine pollutant	YES
	Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
	Special provisions	8, 146, 173, 335, IB3, T4, TP1, TP29
	Packaging exceptions	155
	Packaging non bulk	203
	Packaging bulk	241
٨т	٨	

### IATA

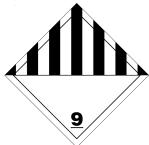
Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not established. Annex II of MARPOL 73/78 and the IBC Code

### DOT



Marine pollutant



**General information** 

DOT Regulated Marine Pollutant.

# 15. Regulatory information

**US federal regulations** 

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## **Toxic Substances Control Act (TSCA)**

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** Not listed. SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed. Superfund Amendments and Reauthorization Act of 1986 (SARA) SARA 302 Extremely hazardous substance Not listed. SARA 311/312 Hazardous No chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Safe Drinking Water Act Not regulated. (SDWA)

#### **US state regulations**

#### **California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

#### International Inventories

Country(s) or region	Inventory name On inve	entory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date	January-16-2014
Revision date	June-07-2025
Version #	03
Disclaimer	Nye Lubricants, Inc. A Member of the FUCHS Group cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.
<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.