

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : **PRO 450X FE 10W30**  
Product code : F12038-A02  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Function or use category : Lubricants and additives

##### 1.2.2. Uses advised against

No additional information available

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

IGOL FRANCE  
614, rue de Cagny - CS 19403  
80094 AMIENS CEDEX 3 - France  
T +33 (0)3 22 50 22 22  
[msds@igol.com](mailto:msds@igol.com) - [www.igol.com](http://www.igol.com)

#### 1.4. Emergency telephone number

United Kingdom

**National Poisons Information Service (Cardiff Centre)**

Gwenwyn Ward, Llandough Hospital  
Penarth  
CF64 2XX Cardiff  
**0344 892 0111**

### SECTION 2: Hazards identification

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

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

Serious eye damage/eye irritation Not classified  
Skin sensitisation Not classified  
Hazardous to the aquatic environment - Chronic Hazard Not classified  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.  
EUH-statements : EUH208 - Contains Polyolefine polyamine succinimide, Calcium long chain alkarylsulfonate, Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	10 - 20	Asp. Tox. 1, H304
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs., borated	(CAS-No.) 134758-95-5 (EC-No.) 603-861-6	1 - 5	Aquatic Chronic 4, H413
reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	(CAS-No.) 125643-61-0 (EC-No.) 406-040-9 (EC Index-No.) 607-530-00-7 (REACH-no) 01-0000015551-76, 01-2119864287-27, 01-2119878226-29, 01-2119879226-29	1 - 2,5	Aquatic Chronic 4, H413
Polyolefine polyamine succinimide	(CAS-No.) 873694-48-5	1 - 2,5	Skin Sens. 1, H317 Aquatic Chronic 4, H413
Amines, polyethylenepoly-, reaction products with 1,3-dioxolan-2-one and monopolybutenyl succinic anhydride derivatives	(CAS-No.) 147880-09-9 (EC-No.) 604-611-9	0,1 - 2,5	Aquatic Chronic 4, H413
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	(CAS-No.) 68784-31-6 (EC-No.) 272-238-5 (REACH-no) 01-2119657973-23	0,1 - 2,5	Eye Dam. 1, H318 Aquatic Chronic 2, H411
Alkaryl amine	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4	0,1 - 2,5	Aquatic Chronic 4, H413
Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligermization, carbonate, calcium salts, ovrbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C10-C50	(CAS-No.) 68784-26-9 (EC-No.) 701-251-5 (REACH-no) 01-2119524004-56	0,1 - 2,5	Aquatic Chronic 4, H413

Comments : DMSO extract < 3% (IP 346)

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. If symptoms persist, call a physician.
First-aid measures after skin contact	: Remove contaminated clothing. Wash with plenty of water/.... Seek medical attention if ill effect or irritation develops.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Contact ophthalmologist immediately.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Never give anything by mouth to an unconscious person.

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

Symptoms/effects after inhalation	: Symptoms may include dizziness, headache, nausea and loss of coordination.
Symptoms/effects after skin contact	: Prolonged or repeated contact with the skin may cause dermatitis. Skin rash/inflammation. Redness. Itching.
Symptoms/effects after eye contact	: May cause slight irritation. Redness. Pain.
Symptoms/effects after ingestion	: Aspiration of this material may cause chemical pneumonia.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Foam. Sand. AFFF foam. Water spray. Carbon dioxide.
Unsuitable extinguishing media	: Do not use water jet.

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

Reactivity in case of fire	: On burning: release of harmful/irritant gases/vapours. Carbon oxides (CO, CO2).
Hazardous decomposition products in case of fire	: On incomplete combustion releases : fume, Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulphur oxides, Organic compounds, Aldehydes.

### 5.3. Advice for firefighters

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

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8. Wear suitable protective clothing and gloves.
- Emergency procedures : Evacuate unnecessary personnel. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Provide adequate ventilation.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing and gloves. Avoid breathing Aerosols, Vapours. Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area. Clean up any spills as soon as possible, using an absorbent material to collect it. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment. 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

- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect all waste in suitable and labelled containers and dispose according to local legislation.
- Other information : May be dangerously slippery if spilled.

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For disposal of residues refer to section 13 : Disposal considerations" "

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Keep away from sources of ignition - No smoking. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke in areas where product is used.
- Hygiene measures : Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing.

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

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep away from sources of ignition - No smoking. Store in original container. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep container tightly closed. Keep container closed when not in use.
- Heat and ignition sources : No flames, no sparks. Eliminate all sources of ignition.
- Information on mixed storage : Oxidation agents.
- Storage area : Store away from heat. Floors should be impervious, resistant to liquids and easy to clean.
- Special rules on packaging : Keep only in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Materials for protective clothing:

Separate working clothes from town clothes. Launder separately

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Time of penetration is to be checked with the glove producer

**Eye protection:**

Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

Avoid the formation of mists in the atmosphere. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. respirator with combination filter for vapour/particles

**Other information:**

Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 232 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0,87 (15°C)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 84,1 mm <sup>2</sup> /s (40°C)
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

All heat sources, including direct sunlight. Sparks. Open flame.

### 10.5. Incompatible materials

Strong oxidizers. Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
 Acute toxicity (dermal) : Not classified  
 Acute toxicity (inhalation) : Not classified

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
LD50 oral rat	> 2000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)	
LD50 oral rat	2900 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Alkaryl amine (36878-20-3)	
LD50 oral rat	> 5000 mg/kg

Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligermization, carbonate, calcium salts, ovrbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C10-C50 (68784-26-9)	
LD50 oral	> 5000 mg/kg

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 method)
LC50 inhalation rat (mg/l)	> 5000 mg/m <sup>3</sup> (4h) (OECD 403 method)

Skin corrosion/irritation : Not classified  
 Serious eye damage/irritation : Not classified  
 Respiratory or skin sensitisation : Not classified.  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : Not classified  
 Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

PRO 450X FE 10W30	
Viscosity, kinematic	84,1 mm <sup>2</sup> /s (40°C)

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity : Not classified  
 Chronic aquatic toxicity : Not classified.

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)	
LC50 fish 1	> 100 mg/l (Oncorhynchus mykiss, 14d) (OECD 204 method)
LC50 other aquatic organisms 1	> 74 mg/l Danio rerio (zebra fish), 96h
EC50 Daphnia 1	> 100 mg/l (Daphnia magna, 48h) (OECD 202 method)
EC50 72h algae (1)	> 3 mg/l (Desmodesmus subspicatus, 72h) (OECD 201 method)
NOEC (acute)	>= 3 mg/l (Desmodesmus subspicatus, 72h) (OECD 201 method)
NOEC chronic fish	>= 0,001 mg/l (Danio rerio, 36d) (OECD 210 method)
NOEC chronic crustacea	>= 1 mg/l (Daphnia magna, 21d) (OECD 211 method)

Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts (68784-31-6)	
LC50 fish 1	4,4 mg/l (96h, Oncorhynchus mykiss)
EC50 Daphnia 1	75 mg/l (48h, Daphnia magna)
EC50 72h algae (1)	240 mg/l (72h, Scenedesmus subspicatus)

**Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligermization, carbonate, calcium salts, ovrbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C10-C50 (68784-26-9)**

LC50 fish 1	> 1000 mg/l (96h, Pimephales promelas) [OECD 203]
EC50 Daphnia 1	> 1000 mg/l (48h, Daphnia magna) [OECD 202]

### 12.2. Persistence and degradability

**reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)**

Persistence and degradability: Not readily biodegradable.

**Alkaryl amine (36878-20-3)**

Persistence and degradability: Not readily biodegradable.

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

Persistence and degradability: Inherently biodegradable.

### 12.3. Bioaccumulative potential

**reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)**

Bioconcentration factor (BCF REACH): 260 (Oncorhynchus mykiss, 35d) (OECD 305 method)

Log Pow: 9,2

**Phenol, paraalkylation products with C10-15 branched olefins (C12 rich) derived from propene oligermization, carbonate, calcium salts, ovrbased, sulfurized, including distillates (petroleum), hydrotreated, solvent-refined, solvent dewaxed, or catalytic dewaxed, light or heavy paraffinic C10-C50 (68784-26-9)**

Log Pow: 9,5

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

Bioaccumulative potential: Potentially bioaccumulable.

### 12.4. Mobility in soil

**reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)**

Ecology - soil: Product adsorbs little onto the soil.

**Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)**

Ecology - soil: Floats on water. Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

**Component**

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

Additional information: Do not discharge the product into the environment. Do not flush into surface water or sewer system

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations: Do not discharge into drains or the environment. Dispose in a safe manner in accordance with local/national regulations.

European List of Waste (LoW) code: 13 02 00 - waste engine, gear and lubricating oils

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Training advice : Not to be used for any purpose other than the one the product was designed for.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Aquatic Chronic Not classified	Hazardous to the aquatic environment - Chronic Hazard Not classified
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Dam./Irrit. Not classified	Serious eye damage/eye irritation Not classified
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. Not classified	Skin sensitisation Not classified
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains Polyolefine polyamine succinimide, Calcium long chain alkarylsulfonate, Coconut oil, reaction products with boric acid (H3BO3), diethanolamine and glycerol. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Eye Dam./Irrit. Not classified	Expert judgment
Skin Sens. Not classified	Expert judgment
Aquatic Chronic Not classified	Expert judgment



# PRO 450X FE 10W30

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 21/06/2019

Version: 1.0

*The Material Safety Data Sheet was drawn up in compliance with the actual regulation in force. It is only provided for information and can be modified without notice period. It can't be considered as a product warranty. Its sole publication does not create juridical and contractual engagements. A possible contractual relation can only occur from a contract, subjected by the general IGOLs sell conditions, between IGOL and another party. The information given in the Material Safety Data Sheet are based on the state of our knowledge relative to the product at the date indicated. The information, given bona fide, is strictly meant to advice users on security aspects. Then, the information can't be considered as products specifications. The product's specifications and applications can't be deduced from the information given on this Material Safety Data Sheet. The sheet completes the technical data sheet but doesn't replace it. The information presented in the Material Safety Data Sheet won't unload the user to evaluate the risks linked to its use of the product and to respect the regulation applied. The user's attention is attracted on the potential risks when a product is used for a different application than the one it is produced for. The user has to get informed and to apply all the regulation of its activity. The data and the legal prescriptions cited in the sheet only aim to help the user to respect some obligations. The user can't consider the data by as exhaustive. The user will take on its own responsibility the safe practices for the use of the product. IGOL can't be considered as responsible for the damages resulting of the material handling, stocking, use or destruction. The Material Safety Data Sheet was set up especially for this product and can only, since then, be used for this one. Besides, if the product is used as a component for another product, the user's attention is attracted on the fact that for that case the information can't be applicable.*