

# CHEM GROUP

## Safety Data Sheet PF-Marine LS 380

---

### SECTION 1: Identification

#### 1.1 GHS Product identifier

Product name	PF-Marine LS 380
Product number	CG-029
Brand	CG

#### 1.3 Recommended use of the chemical and restrictions on use

Marine fuel

#### 1.4 Supplier's details

Name	Chem Group
Address	2406 Lynch Road Evansville IN 47711 USA
Telephone	8127598354
email	kelder@chemgroupus.com

#### 1.5 Emergency phone number

1-800-424-9300 Chemtrec

---

### SECTION 2: Hazard identification

#### General hazard statement

May cause an allergic skin reaction  
May cause genetic defects  
May damage fertility or an unborn child

May cause cancer  
May damage fertility or an unborn child

#### 2.1 Classification of the substance or mixture

##### GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Toxic to reproduction, Cat. 1B
- Sensitization, skin, Cat. 1
- Carcinogenicity, Cat. 1A
- **Germ cell mutagenicity, Cat. 1A**

# Safety Data Sheet

## PF-Marine LS 380

2.2

GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H317

May cause an allergic skin reaction

H340

May cause genetic defects [route]

H350

May cause cancer [route]

H360

May damage fertility or the unborn child [effect, route]

Precautionary statement(s)

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P272

Contaminated work clothing must not be allowed out of the workplace.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

IF ON SKIN: Wash with plenty of water/...

P308+P313

IF exposed or concerned: Get medical advice/attention.

P321

Specific treatment (see ... on this label).

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P363

Wash contaminated clothing before reuse.

P405

Store locked up.

P501

Dispose of contents/container to ...

### 2.3 Other hazards which do not result in classification

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Contaminated work clothing must not be allowed out of the workplace

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Hazardous components

#### 1. Petroleum distillates, light catalytic cracked

Concentration 96 - 100 % (weight)

CAS no. 64741-59-9

#### 2. POLYCYCLIC AROMATIC HYDROCARBONS

Concentration 4 % (weight)

CAS no. mixture

## **SECTION 4: First-aid measures**

### **4.1 Description of necessary first-aid measures**

General advice	Provide this SDS to medical personnel for treatment
If inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing. If symptoms persist, call a physician.
In case of skin contact	IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If swallowed	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician immediately.
Personal protective equipment for first-aid responders	Avoid direct contact with material. Wear eye protection

### **4.2 Most important symptoms/effects, acute and delayed**

May cause eye, skin and respiratory tract irritation. Can cause allergic response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.

### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.

---

## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Regular foam or carbon dioxide or dry chemical.

Unsuitable Extinguishing Media High volume water jet. Water or foam may cause frothing.

### **5.2 Specific hazards arising from the chemical**

Dangerous gases or fumes may occur in case of fire. Avoid sparks, welding and cutting on or near drums (or its residue) because product (or its residue) can ignite explosively

### **5.3 Special protective actions for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary. Use standard firefighting procedures and consider the hazards of other involved materials. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water may be used to cool closed containers to prevent pressure buildups and possible ignition or explosion when

# Safety Data Sheet

## PF-Marine LS 380

exposed to extreme heat. Do not allow run-off from fire-fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

---

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

#### 6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. Collect spillage. See Section 12 for additional Ecological Information.

#### 6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Dike far ahead of liquid spill for later disposal. Absorb with inert material or sweep up, and then place in suitable container for chemical waste

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Contaminated work clothing must not be allowed out of the workplace.

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

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place.

Incompatible Materials Strong oxidizing agents.

---

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

OSHA PEL

1. Anthracene (CAS: 120-12-7)

TWA:0.2mg/m<sup>3</sup>

2. PYRENE (CAS: 129-00-0)

TWA:0.2mg/m<sup>3</sup>

3. Chrysene (CAS: 218-01-9)

TWA:0.2mg/m<sup>3</sup>

4. BENZO(A)PYRENE (CAS: 50-32-8)

TWA:0.2mg/m<sup>3</sup>

5. PHENANTHRENE (CAS: 85-01-8)

TWA:0.2mg/m<sup>3</sup>

6. 2-Methylnaphthalene (CAS: 91-57-6)

TWA:0.2mg/m<sup>3</sup>

#### 8.2 Appropriate engineering controls

Maintain eye wash fountain and quick-drench facilities in work area.

# Safety Data Sheet

## PF-Marine LS 380

Maintain adequate ventilation  
Control sources of ignition

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

SAfety glasses or goggles

#### Skin protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

#### Respiratory protection

In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

---

## SECTION 9: Physical and chemical properties

### Basic physical and chemical properties

Physical state	Liquid
Appearance	
Color	Dark Liquid
Odor	Dark Brown
Odor threshold	aromatic hydrocarbon
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	>176.66°C / 350°F
Lower and upper explosion limit/flammability limit	ignitable
Flash point	No data available.
Explosive properties	>148.88°C / 300°F
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	None
pH	N/A
Kinematic viscosity	20 – 240 mm <sup>2</sup> /s (@25°C/77°F)
Solubility	negligible (water)
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	< 1mm Hg (at 20°C/68°F)
Evaporation rate	No data available.
Density and/or relative density	1.047-1.074
Relative vapor density	Heavier than air
Particle characteristics	No data available.

### Supplemental information regarding physical hazard classes

No data available.

### Further safety characteristics (supplemental)

No data available.

---

## SECTION 10: Stability and reactivity

# Safety Data Sheet

## PF-Marine LS 380

### 10.1 Reactivity

Not reactive under normal conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

### 10.4 Conditions to avoid

Sources of ignition

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Carbon monoxide, aromatics, and other hydrocarbons

---

## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Material is a Central Nervous System Depressant. High concentration of vapors may cause headache, nausea, vomiting, disorientation, or dizziness. REMOVE individual to fresh air and seek medical attention.

#### Skin corrosion/irritation

Moderately irritating to the eyes.

#### Serious eye damage/irritation

Not likely to occur

#### Respiratory or skin sensitization

Avoid breathing vapors or mists.

Serious respiratory irritation or damage not likely to occur

#### Germ cell mutagenicity

May cause genetic effects in bacteria

#### Carcinogenicity

May cause cancer. This product may contain Polycyclic Aromatic Hydrocarbons (PAHs) identified by IARC as carcinogens; Anthracene, Fluoranthene, Naphthalene, Phenanthrene, Pyrene.

#### Reproductive toxicity

May damage fertility or the unborn child.

#### Specific target organ toxicity (STOT) - single exposure

unknown

#### Specific target organ toxicity (STOT) - repeated exposure

liver and kidneys if ingested

# Safety Data Sheet

## PF-Marine LS 380

### Aspiration hazard

Not likely to occur

### Additional information

No data available.

---

## SECTION 12: Ecological information

### Toxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

### Endocrine disrupting properties

No data available.

### Other adverse effects

No data available.

---

## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### Packaging disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations

#### Waste treatment

Disposal should be in accordance with applicable regional, national and local laws and regulations

#### Sewage disposal

DO NOT pour down sanitary sewers or storm drains

---

## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

# Safety Data Sheet

## PF-Marine LS 380

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

---

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### SARA 311/312 Hazards

Product name: PF-Marine LS 380

#### US EPA TSCA public inventory

Product name: PF-Marine LS 380

#### Massachusetts Right To Know Components (105 CMR 670)

Product name: PF-Marine LS 380

#### New Jersey Right To Know Components

Product name: PF-Marine LS 380

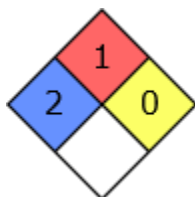
#### Pennsylvania Right To Know Components

Product name: PF-Marine LS 380

### HMIS Rating

PF-Marine LS 380	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

### NFPA Rating



---

## SECTION 16: Other information

### 16.2 Preparation information

SDS Prepared by:

HSE Dept

CGH-EV, Inc

**Safety Data Sheet**  
**PF-Marine LS 380**

2406 Lynch Road  
Evansville, IN 47711  
812-759-8354