

# Safety Data Sheet

## PF145HP

Safety Data Sheet date: 10/10/2019, version 1

### 1. IDENTIFICATION

#### Product identifier

Mixture identification:

Trade name: PF145HP

Other means of identification:

MSDS code: P28297

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

Recommended use:

Solvent

Cleaner

Industrial uses

Restrictions on use:

No uses advised against are identified.

#### Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

##### Manufacturers:

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

##### Distributors:

Dysol Inc. - 791 Westport Parkway - Fort Worth, TX 76177 / Phone: 1-817-335-1826 /

csr-na@socomore.com/ Fax Number: 817-335-2405

Magnus Chemical Limited, 1271, rue Ampère, suite 101, Boucherville, QC, J4B 5Z5 Canada -

Tel: 1-450 641 8500 - Fax: 1-450 655 1717

#### Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

#### Emergency phone number:

CHEMTEL: +1-813-248-0585 (International); 1-800-255-3924 (USA); CANUTEC:

1-613-996-6666 (CANADA)

Socomore Canada Limited - +1-604-420-7707 (Monday-Friday; 7:30 am - 5:00 pm)

### 2. HAZARD(S) IDENTIFICATION

#### Classification of the chemical

Warning, Flam. Liq. 4, Combustible liquid.

⚠ Warning, Carc. 2, Suspected of causing cancer.

⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.

⚠ Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

Aquatic Acute 3, Harmful to aquatic life.

⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

#### Label elements

Hazard pictograms:

**Safety Data Sheet**  
**PF145HP**

Danger

Hazard statements:

- H227 Combustible liquid.
- H351 Suspected of causing cancer.
- H336 May cause drowsiness or dizziness.
- H304 May be fatal if swallowed and enters airways.
- H402 Harmful to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER/doctor/... if you feel unwell.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use ... to extinguish.
- P391 Collect spillage.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

**Hazards not otherwise classified identified during the classification process:**

None

**Ingredient(s) with unknown acute toxicity:**

None.

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**

N.A.

**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 80% - < 90% HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

REACH No.: 01-2119463583-34, EC: 918-811-1

## Safety Data Sheet

### PF145HP

- ◆ A.10/1 Asp. Tox. 1 H304
- ◆ A.8/3 STOT SE 3 H336
- ◆ US-HAE/C2 Aquatic Chronic 2 H411

>= 15% - < 20% HYDROCARBONS, C11-C13, , ISOALKANES, <2% AROMATICS

REACH No.: 01-2119456810-40, EC: 920-901-0

- ◆ A.10/1 Asp. Tox. 1 H304
- B.6/4 Flam. Liq. 4 H227

>= 0.3% - < 0.5% naphthalene

Index number: 601-052-00-2, CAS: 91-20-3, EC: 202-049-5

- ◆ A.6/2 Carc. 2 H351
- ◆ US-HAE/A1 Aquatic Acute 1 H400
- ◆ US-HAE/C1 Aquatic Chronic 1 H410
- ◆ A.1/4/Oral Acute Tox. 4 H302

---

#### 4. FIRST-AID MEASURES

##### Description of necessary measures

##### In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

##### In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

##### In case of Ingestion:

Do NOT induce vomiting.

##### In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

##### Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

---

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media:

In case of fire: Use ... to extinguish.

##### Unsuitable extinguishing media

None in particular.

##### Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

## Safety Data Sheet

### PF145HP

Burning produces heavy smoke.

**Hazardous combustion products:**

None

**Explosive properties:** N.A.

**Oxidizing properties:** N.A.

**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

---

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

**Methods and materials for containment and cleaning up**

Wash with plenty of water.

---

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Do not use on extensive surface areas in premises where there are occupants.

Don't use empty container before they have been cleaned.

Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

**Conditions for safe storage, including any incompatibilities**

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Storage temperature:

Store at ambient temperature.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

- OEL Type: National - TWA: 100 mg/m<sup>3</sup>, 17 ppm - Notes: ExxonMobil

HYDROCARBONS, C11-C13, , ISOALKANES, <2% AROMATICS

## Safety Data Sheet

### PF145HP

- OEL Type: National - TWA: 1200 mg/m<sup>3</sup>, 171 ppm - Notes: vapour, ExxonMobil naphthalene - CAS: 91-20-3
- OEL Type: National - TWA(8h): 50 mg/m<sup>3</sup>, 10 ppm - Notes: INRS, France
- OEL Type: EU - TWA(8h): 50 mg/m<sup>3</sup>, 10 ppm
- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: Skin, A3 - URT irr, cataracts, hemolytic anemia

#### DNEL Exposure Limit Values

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

Worker Professional: 12.5 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 150 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 7.5 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 32 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 7.5 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

#### PNEC Exposure Limit Values

N.A.

#### Appropriate engineering controls:

None

#### Individual protection measures

Eye protection:

Safety goggles (EN 166)

Protection for skin:

Chemical protection clothing. (type 3 - EN14605)

Protection for hands:

Suitable gloves type: NF EN374

PVA (Polyvinyl alcohol).

Respiratory protection:

Use adequate protective respiratory equipment.

Mask with filter "A1" , brown colour (NF EN14387)

Thermal Hazards:

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	FLUID LIQUID	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--

## Safety Data Sheet

### PF145HP

pH:	N.A.	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	204 °C	--	--
Flash Point (°F):	140°F	--	--
Flash point (°C):	> 60°C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	liquid
Upper/lower flammability or explosive limits:	0.6-7%	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	< 1	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	>200°C	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	< 7 mm <sup>2</sup> /s (40°C)	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

#### 9.2. Other information

## Safety Data Sheet

### PF145HP

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Stable under normal conditions

### Possibility of hazardous reactions

None

### Conditions to avoid

Stable under normal conditions.

### Incompatible materials

None in particular.

### Hazardous decomposition products

None.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Toxicological information of the product:

N.A.

### Toxicological information of the main substances found in the product:

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 4688 mg/m<sup>3</sup>

HYDROCARBONS, C11-C13, , ISOALKANES, <2% AROMATICS

a) acute toxicity:

Test: Genotoxicity - Route: Inhalation Vapour - Species: Rat > 5000 mg/m<sup>3</sup> - Duration: 8h

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

naphthalene - CAS: 91-20-3

a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 2500 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 0.4 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Mouse = 533 mg/kg

## Safety Data Sheet

### PF145HP

**Substance(s) listed on the NTP report on Carcinogens:**

Naphthalene.

**Substance(s) listed on the IARC Monographs:**

Naphthalene - Group 2B.

**Substance(s) listed as OSHA Carcinogen(s):**

None.

**Substance(s) listed as NIOSH Carcinogen(s):**

None.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 3 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 11 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata

Endpoint: LC50 - Species: Fish > 2 mg/l - Duration h: 96 - Notes: Oncorhynchus magnus

Endpoint: DSEO-R (NOELR) - Species: Algae = 2.5 mg/l - Duration h: 72 - Notes:

Pseudokirchnerella subcapitata

HYDROCARBONS, C11-C13, , ISOALKANES, <2% AROMATICS

a) Aquatic acute toxicity:

Endpoint: DSEO-R (NOELR) - Species: Algae = 1000 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

Endpoint: EL0 - Species: Algae = 1000 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EL0 - Species: Daphnia = 1000 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LL0 - Species: Fish = 1000 mg/l - Duration h: 96 - Notes: Onchohynchus mykiss

b) Aquatic chronic toxicity:

Endpoint: DSEO-R (NOELR) - Species: Daphnia = 1 mg/l - Duration h: 504 - Notes:

Daphnia magna

naphthalene - CAS: 91-20-3

a) Aquatic acute toxicity:

Endpoint: EL50

- Species: Daphnia > 3 mg/l - Duration h: 48

Endpoint: LL50

- Species: Fish > 2 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EL50

- Species: Algae = 11 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: DSEO-R (NOELR) - Species: Algae = 2.5 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata

### Persistence and degradability

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE

Biodegradability: Biodegradability rate - Duration: 28 days - %: 50

HYDROCARBONS, C11-C13, , ISOALKANES, <2% AROMATICS



**Safety Data Sheet**  
**PF145HP**

Biodegradability: Biodegradability rate - Duration: 28 days - %: 31.3  
naphthalene - CAS: 91-20-3

Biodegradability: Biodegradability rate - Duration: 28 days - %: 50

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

No harmful effects expected.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment and disposal methods**

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

**14. TRANSPORT INFORMATION**



UN number

ADR-UN Number: 3082

DOT number: UN3082

IATA-UN Number: 3082

IMDG-UN Number: 3082

UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE, HYDROCARBONS, C11-C13, ISOALKANES, <2% AROMATICS)

DOT-Shipping Name: Environmentally hazardous substance, liquid, n.o.s.(HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE, naphthalene)(HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE, HYDROCARBONS, C11-C13, ISOALKANES, <2% AROMATICS)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE, HYDROCARBONS, C11-C13, ISOALKANES, <2% AROMATICS)

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE, HYDROCARBONS, C11-C13, ISOALKANES, <2% AROMATICS)

Transport hazard class(es)

ADR-Class: 9

DOT Hazard Class: 9

## Safety Data Sheet

### PF145HP

ADR - Hazard identification number:	90
IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9
Packing group	
ADR-Packing Group:	III
DOT Packing group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
Environmental hazards	
ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Marine Pollutant
Most important toxic component:	HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)	
N.A.	
Special precautions	
DOT Special provisions:	8, 146, 173, 335, IB3, T4, TP1, TP29
DOT Labels:	9
ADR-Subsidiary hazards:	-
ADR-S.P.:	274 335 375 601
ADR-Transport category (Tunnel restriction code):	3 (E)
IATA-Passenger Aircraft:	964
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	964
IATA-S.P.:	A97 A158 A197
IATA-ERG:	9L
IMDG-EmS:	F-A , S-F
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-
Q.L.:	5L
Q.E.:	E1

---

## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory or are not required to be listed on the TSCA.

TSCA sections for substances listed in section 3:

HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE is listed in TSCA Section 8b

HYDROCARBONS, C11-C13, , ISOALKANES, <2% AROMATICS is listed in TSCA Section 8b

Naphthalene is listed in TSCA Section 8a - PAIR, Section 8b, Section 8d HSDR.

## Safety Data Sheet

### PF145HP

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: Naphthalene.

Section 313 Toxic chemical list: Naphthalene.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: Naphthalene - Reportable quantity: 100 pounds.

Reportable quantity for mixture: 24224.8062 pounds.

CAA - Clean Air Act

CAA listed substances:

Naphthalene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

Naphthalene is listed in CWA Section 304, Section 307, Section 311, CWA Priority Pollutants.

#### USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

Naphthalene - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

Naphthalene.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

Naphthalene.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

Naphthalene.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

HYDROCARBONS, C10, AROMATICS, <1% NAPHTALENE (CAS: 64742-94-5)

HYDROCARBONS, C11-C13, ISOALKANES, <2% (CAS: 64742-48-9)

---

## 16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H227 Combustible liquid.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

## Safety Data Sheet

### PF145HP

Safety Data Sheet date: 10/10/2019, version 1

**Disclaimer:**

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average