SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : PF SR WIPES
Product code : 29029A.

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

1.3. Details of the supplier of the safety data sheet
Registered company name : SOCOMORE S.A.S..
Address : Zone Industrielle du Prat - CS 23707.56037 .VANNES CEDEX.France.
Telephone : +33 (0)2 97 43 76 83.     Fax : +33 (0)2 97 54 50 26.
techdirsocomore@socomore.com
Manufacturer: P.T. TECHNOLOGIES EUROPE - Meenane, Watergrasshill, Co. Cork, Ireland. - Tel. +353 21 4889922 / Fax +353 21 4889923 / info@pttechnologies.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.
Association/Organisation : INRS.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Serious eye damage (Xi, R 41).
Irritant for the respiratory tract (Xi, R 37).
Repeated exposure may cause skin dryness or cracking (R 66).
Vapours may cause drowsiness and dizziness (R 67).
Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements
Detergent mixture (see section 15).
Hazard symbols :

- Irritant
- Dangerous for the environment

Contains :
607-129-00-7 ETHYL (S)-2-HYDROXYPROPIONATE

Risk phrase :
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 37  Irritating to respiratory system.
R 41  Risk of serious damage to eyes.
R 66  Repeated exposure may cause skin dryness or cracking.
R 67  Vapours may cause drowsiness and dizziness.

Safety phrase :
S 26  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/39 Wear suitable protective clothing and eye/face protection.
S 45  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 61  Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 60  This material and its container must be disposed of as hazardous waste.
S 24  Avoid contact with skin.
S 57  Use appropriate container to avoid environmental contamination.

2.3. Other hazards
The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table
The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
No substances fulfil the criteria set forth in annexe II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition :</th>
<th>Identification :</th>
<th>(EC) 1272/2008</th>
<th>67/548/EEC</th>
<th>Note</th>
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<td>CAS: 64742-94-5</td>
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<td>Dgr, Asp. Tox. 1, H304</td>
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<td>HYDROCARBONS, C10, AROMATICS, &lt;1% NAPHTHALENE</td>
<td>INDEX: 607-129-00-7</td>
<td>CAS: 687-47-8</td>
<td>GHS02, GHS05, GHS07</td>
<td>Xi, Xi;R37-R41 R10</td>
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<td>REACH: 01-2119516234-49</td>
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<td>ETHYL (S)-2-HYDROXYPROPIONATE</td>
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<td>CAS: 91-20-3</td>
<td>GHS07, GHS08, GHS09</td>
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<td>NAPHTHALENE</td>
<td>Wng Carc. 2, H351 Acute Tox. 4, H302 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1</td>
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</table>

Information on ingredients :
[1] Substance for which maximum workplace exposure limits are available.
SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:

In the event of massive inhalation of dust, remove the person exposed to fresh air. Keep warm and at rest.
If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.
Do not proceed with mouth-to-mouth or mouth-to-nose resuscitation.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Keep the person exposed at rest. Do not force vomiting.
Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages cool when in the vicinity of flames.

Suitable methods of extinction

In the event of a fire, use:
- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)
Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use:
- water jet
5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid inhaling the vapors.
Avoid any contact with the skin and eyes.
Avoid inhaling dust.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapors.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid eye contact with this mixture at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.
Prohibited equipment and procedures:
No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities
No data available.

Storage
Keep the container tightly closed in a dry, well-ventilated place.
The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging
Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)
No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:
- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):
<table>
<thead>
<tr>
<th>CAS</th>
<th>TWA</th>
<th>STEL</th>
<th>Ceiling</th>
<th>Definition</th>
<th>Criteria</th>
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- France (INRS - ED984 :2008):
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<th>VME-mg/m3</th>
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<td>50</td>
<td>-</td>
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</table>

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection
Avoid contact with eyes.
Use eye protectors designed to protect against liquid splashes.
Before handling, wear safety goggles with protective sides accordance with standard EN166.
In the event of high danger, protect the face with a face shield.
Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.
Prescription glasses are not considered as protection.
Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.
Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection
Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.
Gloves must be selected according to the application and duration of use at the workstation.
Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.
Type of gloves recommended:
- PVA (Polyvinyl alcohol)
Recommended properties:
- Impervious gloves in accordance with standard EN374
- **Body protection**
  Avoid skin contact.
  Wear suitable protective clothing.
  In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.
  Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1 to prevent skin contact.
  In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.
  Work clothing worn by personnel shall be laundered regularly.
  After contact with the product, all parts of the body that have been soiled must be washed.

- **Respiratory protection**
  Avoid breathing vapours.
  Avoid breathing dust.
  If the ventilation is insufficient, wear appropriate breathing apparatus.
  When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.
  Type of FFP mask :
  Wear a disposable half-mask dust filter in accordance with standard EN149.
  Category :
  - FFP1
  Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :
  - A1 (Brown)

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

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

- **General information**
  - Physical state : solid.
  - Important health, safety and environmental information
    - pH : Not relevant.
    - Boiling point/boiling range : not specified.
    - Flash point interval : 55°C < Flash point <= 60°C
    - Vapour pressure (50°C) : not relevant.
    - Density : < 1
    - Water solubility : Insoluble.
    - Melting point/melting range : not relevant.
    - Self-ignition temperature : not relevant.
    - Decomposition point/decomposition range : not specified.
    - % VOC : 100

- **9.2. Other information**
  - VOC (g/l) : 600

### SECTION 10 : STABILITY AND REACTIVITY

#### 10.1. Reactivity
No data available.

#### 10.2. Chemical stability
This mixture is stable under the recommended handling and storage conditions in section 7.

#### 10.3. Possibility of hazardous reactions
When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.
10.4. Conditions to avoid
Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.
Avoid:
- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces
- formation of dusts
Dusts can form an explosive mixture with air.

10.5. Incompatible materials

10.6. Hazardous decomposition products
The thermal decomposition may release/form:
- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.
Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.
Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.
Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.
Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.
Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness.
Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

11.1.1. Substances

Acute toxicity:

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

Oral route:
DL50 > 5000 mg/kg
Species : Rat (recommended by the CLP)
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route:
DL50 > 2000 mg/kg
Species : Rabbit (recommended by the CLP)
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route:
LC50 > 4688 mg/m3
Species : Rat (recommended by the CLP)
OECD Guideline 403 (Acute Inhalation Toxicity)

11.1.2. Mixture
No toxicological data available for the mixture.
SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

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

Biodegradability: no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.


15 02 02 * absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

SECTION 14: TRANSPORT INFORMATION


14.1. UN number

3175

14.2. UN proper shipping name

UN3175=SOilds or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (hydrocarbons, c10, aromatics, <1% naphthalene, ethyl (s)-2-hydroxypropionate)
14.3. Transport hazard class(es)
- Classification:

![](image)

4.1

14.4. Packing group
II

14.5. Environmental hazards
- Environmentally hazardous material:

![](image)

14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
No data available.

SECTION 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Classification and labelling information included in section 2:
The following regulations have been used:
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 286/2011

- Container information:
No data available.

- Particular provisions:
No data available.

- 30 % and more : aromatic hydrocarbons

15.2. Chemical safety assessment
No data available.
SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Title for H, EUH and R indications mentioned in section 3:

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
R 10 Flammable.
R 22 Harmful if swallowed.
R 37 Irritating to respiratory system.
R 40.C3 Limited evidence of a carcinogenic effect.
R 41 Risk of serious damage to eyes.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

Abbreviations:
CMR: Carcinogenic, mutagenic or reprotoxic.
ADR: European agreement concerning the international carriage of dangerous goods by Road.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
RID: Regulations concerning the International carriage of Dangerous goods by rail.