



SAFETY DATA SHEET

According to 1907/2006/EC, 2015/830/EU

SECTION 1. Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product/Trade name: Steel Wool Soap Pads with red soap
Chemical Family: Steel wool with soap

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

Use of the substance / the preparation:
Surface cleanings. Domestic or professional kitchen hygiene product.

1.3. Details of the Manufacturer/Supplier:

Company name: Fábrica de Plásticos FAVIR, Lda.
Office Address: Rojão Grande
Postal Address: 3440 – 607
City: Santa Comba Dão
Country: Portugal
Tel. +351 232 891 734
Fax. +351 232 891 536
Email: geral@favir.pt
Website: <http://favir.pt/>

1.4. Emergency telephone number & Address:

Emergency Telephone: 112 (Europe)
Emergency telephone: 808 250 143 (for use only in Portugal)

CIAV - Centro de Informação Antivenenos (Portuguese Poison Centre) – Dra. Arlinda Borges
Office Address: Instituto Nacional de Emergência Médica, Rua Almirante Barroso, 36
Postal Address: 1000-013 Lisboa
City: Lisboa
Country: Portugal
Tel. +351 21 330 3271 / 3270
Fax. +351 21 330 3275
Email: ciav.tox@inem.pt
Website: <http://www.inem.pt/ciav>

SECTION 2. Hazards identification

2.1. Classification of substance or mixture

Classification and labelling according Regulation 1272/2008

Eye Irrit 2: Eye Irritation, Category 2, H319
Skin Irrit 2: Skin Irritation, Category 2, H315

2.2. Label Elements



Signal word: Warning

Hazard statements:

H319: Causes serious eye irritation
H315: Causes Skin irritation

Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P302+P352: IF ON SKIN: wash with plenty of water

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313: If eye irritation persists: Get medical advice/attention

P501: Dispose of contents/container according to local regulations.





2.3. Other hazards

Non-applicable

SECTION 3. Composition/information on ingredients

3.1. Chemical characterization

In the accordance with the Annex II of Regulation (EC) 1907/2006 (pont 3), the product contains:

Danger components:				
Ingredient(s)	EC /CAS number	Reach number	Classification Symbol, Risk phrases	Weight %
Fatty acids, tallow, sodium salts	232-491-4 8052-48-0	N.A.	Eye Irrit2: H319, Skin Irrit2: 315, STOT SE: H335  Warning	5%-15%
Ácidos gordos, coco, sais de sódio	263-050-4 61789-31-9	N.A.	Eye Irrit2: H319, Skin Irrit2: 315  Warning	<5%
Sodium xylenesulphonate	215-090-9 1300-72-7	01- 2119513350- 56-XXXX	Eye Irrit 2  Warning H319 : Causes serious eye irritation	<5%
Sodium nitrite	231-555-9 7632-00-0	01- 2119471836- 27-XXXX	Ox. Sol 3, Acute Tox 3, aquatic Acute 1  Danger H301: Toxic if swallowed H272: Oxidizing solids H400: Hazardous to the aquatic environment	<5%

SECTION 4. First aid measures

4.1. Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified through inhalation, however, it is recommended in case of intoxication symptoms to remove the person affected from the area of exposure, provide clean air and keep rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it stuck to the skin. If blisters form on the skin these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Non-applicable

SECTION 5. Firefighting measures**5.1. Extinguishing media:**

Product is non-flammable under normal conditions of storage, manipulation and use. In case of inflammation as a result of improper manipulation, storage or use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

5.2. Special hazards arising from substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3. Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit...) in accordance with Directive 89/654/EC

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing these tasks. Personal protection equipment must be used against potential contact with spilled product (see section 8). Evacuate the area and keep out those who do not have protection.

6.2. Environmental precautions:

Avoid spillage into an aqueous medium as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In case of serious spillage into aqueous medium notify the relevant authority.

6.3. Methods and material for containment and cleaning up:

It is recommended: absorb the spillage using sand or into absorbent and move it to a safe place. Do not absorb in sand or other combustible absorbents. For any concern related to disposal see section 13.

6.4. Reference to other sections:

See sections 8 and 13

SECTION 7. Handling and storage**7.1 Precautions for safe Handling**

A – Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep container hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous of fires and explosions

B – Technical recommendations for the prevention of fires and explosions

Product no-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at low speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D – Technical recommendations to prevent environmental risks.

It is recommended to have absorbent material available at close proximity to the product (see subsection 6.3)

7.2 - Condições for safe storage, including any incompatibilities:

A.- Technical measures for storage:

Minimum temperature: non applicable

Maximum temperature: <60 °

B- General conditions for storage:

Avoid sources of heat, radiation, static electricity and contact with food. –for additional information see subsection 10.5

7.3 – Specific end use (s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8. Exposure controls/personal protection

8.1 – Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

There are no occupational exposure limits for the substances contained in the product.

DNEL (Workers):

Sodium Xylenesulphonate: EC: 215-090-9, CAS: 1300-72-7

	Systemic Short Exposure	Local	Systemic Long Exposure	Local
Inhalation	Non-applicable	Non-applicable	53,9 mg/m ³	2 mg/m ³
Dermal	Non-applicable	Non-applicable	7,6 mg/kg	Non-applicable
Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable

DNEL (General population):

Sodium Xylenesulphonate: EC: 215-090-9, CAS: 1300-72-7

	Systemic Short Exposure	Local	Systemic Long Exposure	Local
Inhalation	Non-applicable	Non-applicable	13,2 mg/m ³	2 mg/m ³
Dermal	Non-applicable	Non-applicable	3,8 mg/kg	Non-applicable
Oral	Non-applicable	Non-applicable	3,8 mg/kg	Non-applicable

PNEC:

Sodium Xylenesulphonate: EC: 215-090-9, CAS: 1300-72-7

STP	100 mg/L	Fresh water	0,23 mg/L
Soil	Non-applicable	Marine water	Non-applicable
Intermittent	2,3 mg/L	Sediment (fresh water)	Non-applicable
Oral	Non-applicable	Sediment (marine water)	Non-applicable

8.2 – Exposure controls:

A – General security and hygiene measures in the work place

As a preventive measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection, ..) consult the information meaftlet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is known whether the company has additional measures at its disposal.

B – Respiratory protection:

The use of protection equipment will be necessary if a mist forms or if the professional exposure limits are exceeded.

C – Specific protection for the hands

- Protective gloves against minor risks, CE Cat I

- Remarks: Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420 e EN 375.

D – Ocular and facial protection

- Panoramic glasses against liquid splash, CE Cat II, Standards EN 166: 2001, EN 172: 1994/A1: 2000, EN 172: 1994/A2: 2001, EN ISO 4007: 2012

- Remarks: Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E – Bodily protection

- Work clothing, CE Cat I

- Remarks: Replace before any evidence of deterioration. For periods of prologued exposure to the product for professional/industrial users CE III is recommended in accordance with the regulations in EN ISO 6529: 2001, EN ISO 6530: 2005, EN ISO 13688: 2013, EN 464: 1994

- Anto-slip work shoes CE Cat II, EN ISSO 20347: 2012

- Remarks: Replace before any evidence of deterioration. For periods of prologued exposure to the product for professional/industrial users CE III is recommended in accordance with the regulations in EN ISO 20345 y EN 13832-1

F – Additional emergency measures

- Emergency shower, Standards ANSI Z358-1, ISO 3864-1: 2002

- Emergency measure: Eye-wash stations, Standards DIN 12 899, ISO 3864-1: 2002

Enviromental exposure controls:

In accordance with the community legislation for the protection of the environmental it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1 D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply): 0,03 % weight

V.O.C. Density at 20°C: Non-applicable

Average Carbon number: 9

Average molecular weight: 148,25 g/mol

SECTION 9. Physical and chemical properties

9.1. Information on basic Physical and chemical properties

Form: Solid Steel Wool pad

Colour: Metal grey/Light green

Odour: Soap-like

Boiling point/Boiling range: 100 – 476°C

Vapour pressure at 20°C: Non-applicable

Evaporation rate at 20°C: Non.applicable.

Density: Non-applicable.

Viscosity: No applicable

Solubility in / Miscibility with Water: soluble.

pH: indetermined

Flash point : Non-flammable (>60°)

This product does not have any explosive characteristics

SECTION 10. Stability and reactivity

10.1 - Reativity:

No hazardous reactions are expected if the following technical instructions storage of chemicals. See section 7.

10.2 – Chemical stability:

Chemical stable under the conditions of storage, handling and use.

10.3 – Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures are not expected..

10.4 – Conditions to avoid:

Applicable for handling and storage at room temperature:

- Shock and friction: Not applicable
- Contact with air: not applicable
- Increase in temperature: not applicable
- Sunlight: not applicable
- Humidity: not applicable

10.5 – Incompatible materials:

- Acids: avoid strong acids
- Water: Not applicable
- Combustive materials: Avoid direct impact
- Combustive materials: precaution
- Others: Avoid alcalis or strong bases

10.6 – Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11. Toxicological information

11.1 - Informações on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse on health depending on the means of exposure:

A- Ingestion:

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: the consumption of a considerable dose can cause irritation in the throat, abdominal pain, náusea and vomiting.

B- Inhalation:

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect, For more information see section 3..

C- Contact with skin and eyes:

- Contact with skin: Produces skin inflammation
- Contact with eyes: Produces eye damage after contact

D- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Reproductive Toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

F- Specified target organ toxicity (STOT), time of exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

G- Specific target organ toxicity (STOT), repeated exposure:

- specific target organ toxicity (STOT), repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

Other informations: Non-applicable

Specific toxicology information on the substances:

Identification: Fatty acids, tallow, sodium salts: EC: 232-491-4, CAS: 8052-48-0

	Acute toxicity	Genus
CL50 Inhalation	>5 mg/L (4 h)	
DL50 Dermal	>2000 mg/Kg	
DL50 Oral	>2000 mg/Kg	

Identification: Fatty acids, coco, sodium salts: EC: 263-050-4, CAS: 61789-31-9

	Acute toxicity	Genus
CL50 Inhalation	non-applicable	
DL50 Dermal	>2000 mg/Kg	
DL50 Oral	>2000 mg/Kg	

Identification: Sodium xylenesulphonate: EC: 215-090-9, CAS: 1300-72-7

	Acute toxicity	Genus
CL50 Inhalation	>5 mg/L (4 h)	
DL50 Dermal	>2000 mg/Kg	
DL50 Oral	7200 mg/Kg	

Identification: Sodium nitrite: EC: 231-555-9, CAS: 7632-00-0

	Acute toxicity	Genus
CL50 Inhalation	>5 mg/L (4 h)	
DL50 Dermal	>2000 mg/Kg	
DL50 Oral	85 mg/Kg	

SECTION 12. Ecological information

12.1 - Toxicity:

Identification – Sodium nitrite: EC: 231-555-9, CAS: 7632-00-0

	Acute toxicity species	Genus
CL50	0,1 – 1 mg/L (96 h)	fish
EC50	0,1 - 1 mg/L	crustacean
EC50	0,1 – 1 mg/L	Algae

12.2 – Persistence and degradability:

Not available

12.3 Bioaccumulative potencial:

Not available

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other averse effects:

Not described

SECTION 13. Disposal considerations

13.1 – Waste Treatment methods:

Code: It is not possible to assign a specific code, as it depends on the intended use by the user
Waste class (Reg EU 1357/2014): Dangerous

Type of waste (Regulamento (UE) n. °1357/2014): HP4 – Skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) n° 1907/2006 (REACH) the community or state provisions related to waste management are stated
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) 1357/2014

SECTION 14. Transport information

Transport of dangerous goods by land:

With regard to ADR 2015 and RID 2015:

14.1 – UN Number	Non-applicable
14.2 – UN proper shipping name	Non-applicable
14.3 – Transport hazard class (es)	
Labels:	Non-applicable
14.4 – Packing group	Non-applicable
14.5 – Dangerous for the environment	No
14.6 – Special precautions for user	
Special regulations	Non-applicable
Tunnel restriction code	Non-applicable
Physico-Chemical properties	See section 9
Limited quantities	Non-applicable
14.7 – Transport in bulk according to Annex II of	Non-applicable

Marpol and IBC Code	
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Transport of dangerous goods by sea:

With regard to IMDG 37-14:

14.1 – UN Number	Non-applicable
14.2 – UN proper shipping name	Non-applicable
14.3 – Transport hazard class (es) Labels:	Non-applicable
14.4 – Packing group	Non-applicable
14.5 – Dangerous for the environment	No
14.6 – Special precautions for user Special regulations Tunnel restriction code Physico-Chemical properties Limited quantities	Non-applicable Non-applicable See section 9 Non-applicable
14.7 – Transport in bulk according to Annex II of Marpol and IBC Code	Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2015:

14.1 – UN Number	Non-applicable
14.2 – UN proper shipping name	Non-applicable
14.3 – Transport hazard class (es) Labels:	Non-applicable
14.4 – Packing group	Non-applicable
14.5 – Dangerous for the environment	No
14.6 – Special precautions for user Physico-Chemical properties	See section 9
14.7 – Transport in bulk according to Annex II of Marpol and IBC Code	Non-applicable

SECTION 15. Regulatory Information

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

Candidate substances for authorisation under Regulation (EC) 1907/2006 (REACH): Non-applicable
 Substances included in Annex XIV of REACH (“Authorization list”) and sunset date: Non-applicable
 Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable
 Article 95, Regulation (EU) 528/2012: Non applicable
 REGULATION (UE) N.o 649/2012, in relation to the import and export of hazardous chemical products:
 Non-applicable

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII, REACH):

Non-applicable

Content label:

ingredients

Soap: 15% - 30% m/m

Contain Sodium Nitrite

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 – Chemical safety assessment: the supplier has not carried evaluation of chemical safety

SECTION 16. Other Information

This safety data sheet has been designed in accordance with ANNEX II – Guide to the compilation of Safety data sheets of Regulation (EC) N° 1907/2006 (Regulation (EU) N° 453/2010, Regulamento (EC) N° 2015/830)

Modifications related to the previous security card which concerns the ways of managing risks:

Non-applicable

Texts of the legislative frases mentioned in section 2:

H315 – Causes Skin Irritation

H319 – Causes serious eye damage

Texts of the legislative frases mentioned in section 3:

The frases indicated do not refer to the product itself; they are presente merely for informative purposes and refer to the individual componentes which appear in section 3.

CLP Regulation nº1272/2008:

Acute Tox 3: H301 – Toxic if swallowed

Aquatic Acut1 1: H400 – Very toxic to aquatic life

Eye Irrit 2: H319 – Cause serious eye irritation

Ox. Sol 3: H272 – May intensify fire, oxidiser

Skin Irrit 2: H 315 – Causes skin irritation

STOT SE 3: H355 – May cause respiratory irritation

Advices related to training:

Minimum training is recommended to prevent industrial risks for the staff using this product, in order to favcilitate their comprehension and interpretation of this safety data sheet, as well as the labelo n the product.

Principais bibliographical sources:

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

(ADR) European agreement concerning the international carriage of dangerous goods by road

(IMDG) International maritime dangerous goods code

(IATA) International Air Transport Association

(ICAO) International Civil Aviation Organisation

(COD) Chemical Oxygen Demand

(BOD5) 5 day biochemical oxygen demand

(BCF) Bioconcentration factor

(DL50) Lethal dose 50

(CL50) Lethal concentration 50

(EC50) Effective concentration 50

(Log POW) Octanol-water partition coefficient

(Koc) Partition coeficiente of organic carbon

(CAS) CAS Number (Chemichal abstracts service)

(CMR) Carcinogénic, mutagénic or tóxic for reproduction

(DNEL) Derived No Effect level

(CE) Number EINECS and ELINCS

(PBT) Substance Persistent, Bioacumulable e Tóxic

(PNEC) Predicted N Effect Concentration

(EPI) Equipment of individual protection

(STOT) Toxicity for specifi organs

(mPmB) Persistent, bioacumuláble and tóxic or very persistent bioacumulable and tóxic

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the sheet only refers to this product, which should not be used for needs other than those specified.

End of Safety Data Sheet