

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE OF THE COMPANY

Trade name: FILL SOFT BEIGE 1,8 KG

Trade reference: 5001-1086

Relevant identified uses of the substance or mixture and uses advised against:

Polyester filler for auto-body and nautical applications

Only for professional use.

Manufacturer/Supplier:

CAR REPAIR SYSTEM S.A.

Centro de Empresas Granada

Polígono Industrial La Ermita

Edif. B - 2º Planta - Oficinas 35 y 38

18230 ATARFE (Granada) – SPAIN

Emergency telephone number of the company and/or of an authorised advisory centre: 00.34.902.180.470

World directory of poisons centres: www.who.int/gho/phe/chemical_safety/poisons_centres/en/

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

Xn Harmful

Xi Irritant

R Phrases:

R10 Flammable.

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

EC regulation criteria 1272/2008 (CLP):



Warning, Flam. Liq. 3, Flammable liquid and vapour.



Warning, Acute Tox. 4, Harmful if inhaled.



Warning, Eye Irrit. 2, Causes serious eye irritation.



Warning, STOT SE 3, May cause respiratory irritation.



Warning, Skin Irrit. 2, Causes skin irritation.



Danger, STOT RE 1, Causes damage to ear through prolonged or repeated exposure via inhalation..

Adverse physicochemical, human health and environmental effects:

No other hazards

Label elements

Symbols:

Xn Harmful

R Phrases:

R10 Flammable.

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

S Phrases:

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S3/7 Keep container tightly closed in a cool place.

S37 Wear suitable gloves.

Contents:

Styrene

Symbols:



Danger

Hazard statements:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H372 Causes damage to ear through prolonged or repeated exposure via inhalation..

Precautionary statements:

P260 Do not breathe vapours.

P280 Wear protective gloves and eye protection.

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

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Special Provisions:

None

Contents:

styrene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

10% - 12.5% styrene

REACH No.: 01-2119457861-32, Index number: 601-026-00-0, CAS: 100-42-5, EC: 202-851-5

Xn,Xi; R37-10-48/20-65-20-36/37/38

-  2.6/3 Flam. Liq. 3 H226
-  3.1/4/Inhal Acute Tox. 4 H332
-  3.3/2 Eye Irrit. 2 H319
-  3.8/3 STOT SE 3 H335
-  3.2/2 Skin Irrit. 2 H315
-  3.9/1 STOT RE 1 H372

1% - 3% Xylene

REACH No.: 01-2119488216-32, Index number: 601-022-01-6, CAS: 1330-20-7, EC: 215-535-7

Xn,Xi; R36/37/38-48/20-65-10-20/21

-  2.6/3 Flam. Liq. 3 H226
-  3.1/4/Inhal Acute Tox. 4 H332
-  3.1/4/Dermal Acute Tox. 4 H312
-  3.3/2 Eye Irrit. 2 H319
-  3.8/3 STOT SE 3 H335
-  3.2/2 Skin Irrit. 2 H315
-  3.9/2 STOT RE 2 H373
-  3.10/1 Asp. Tox. 1 H304

4. FIRST AID MEASURES

Description of first aid 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 off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

Most important symptoms and effects, both acute and delayed

See section 11 for known symptoms and effects.

Indication of any 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:

None

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

Do not use water jets. Water may not be effective fire fighting measure, however it can be used to cool closed containers close to flames as to avoid bursting and exploding.

Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Advice for firefighters

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 all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

Reference to other sections

See also section 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling

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

Use localized ventilation system.

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

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

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep the containers tightly closed.

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

Keep away from food, drink and feed.

Instructions as regards storage premises:

Cool and adequately ventilated.

Specific end use(s)

See Point 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

styrene - CAS: 100-42-5

ACGIH, 20 ppm, 40 ppm - Notes: Pelle

Xylene - CAS: 1330-20-7

EU - LTE(8h): 221 mg/m³, 50 ppm - STE(): 442 mg/m³, 100 ppm - Notes: Assorbito attraverso la pelle

ACGIH - LTE(8h): 221 mg/m³, 50 ppm - STE(): 442 mg/m³, 100 ppm

DNEL Exposure Limit Values

Xylene - CAS: 1330-20-7

Worker Professional: 289 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 77 mg/m³ - Consumer: 14.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Xylene - CAS: 1330-20-7

Target: STP - Value: 6.58 mg/l

Target: Marine water - Value: 0.327 mg/l

Target: Intermittent emissions - Value: 0.327 mg/l

Target: Freshwater sediments - Value: 12.46 mg/kg

Target: Marine water sediments - Value: 12.46 mg/kg

Target: Soil - Value: 2.31 mg/kg

Target: Fresh Water - Value: 0.327 mg/l

Exposure controls

Eye protection:

Use face-mask or close fitting safety goggles (e.g. EN166 F3). Do not wear contact lenses.

Protection for skin:

Wear safety clothing that ensure full skin protection in accordance to EN 14605 Type 4 in case of spills or spray (e.g. Tyrek). Please note: safety clothing must be changed immediately if it comes in contact with product.

Protection for hands:

Use protective gloves that provides comprehensive protection, EN374 Class 3 (F). Permeation time > 30 minutes; 0.4 mm thickness.

Respiratory protection:

Use adequate protective respiratory devices, using Filter "A" (Brown colour) for organic gas and vapors with boiling points over 65°C.

Thermal Hazards:

None

Environmental exposure controls:

Emissions from ventilation systems or from work processes must be check as to ensure compliance to environmental protection legislation. In some cases the addition of vapour scrubbers, filters or other system modification may be necessary in order to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance and colour: Pasta Thixotropic, Yellow

Odour: Typical of Styrene

Odour threshold: N.D.

pH:	N.A. (organic solvent)
Melting point / freezing point:	N.D.
Initial boiling point and boiling range:	145 °C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	1,1 – 8 % vol
Vapour density:	N.D.
Flash point:	31°C
Evaporation rate:	N.D.
Vapour pressure:	6,7 hPa
Relative density:	1,87 g/cm ³
Solubility in water:	Insoluble
Solubility in oil:	3,6 (aria = 1)
Auto-ignition temperature:	490 °C
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	N.D.
Oxidizing properties:	N.D.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under recommended use and storage conditions (see point 7).

Possibility of hazardous reactions

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

styrene - CAS: 100-42-5

a) acute toxicity:

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

Test: LC50 - Route: Inhalation - Species: Rat = 11.8 mg/l - Duration: 4h

Xylene - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 6350 Ppm - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 4350 mg/kg

styrene - CAS: 100-42-5

Particular characteristics/effects:

High concentrations and styrene vapours have an irritating effect on the eyes and mucous membranes.

Contact with the skin could give rise to cutaneous irritations.

Ways of exposure:

Inhalation: LC50, rat, 4 hours: 11.8 mg/l

Contact with the skin: LD50, rabbit: not known.

Swallowing: LD50, rat: 5000 mg/kg

Styrene can irritate the mouth, throat and gastrointestinal tract if swallowed. If inhaled, it can be quickly absorbed through the lungs and can lead to damage to other organs and apparatus.

Chronic toxicity:

Effects on development and on the reproductive system: research on animals has shown that styrene does not interfere with reproduction.

Mutagenesis: the results of tests on animals have not been definitive.

Carcinogenicity: the data obtained from various long-term studies and the data obtained from epidemiological research on exposed workers have not supplied evidence that styrene is carcinogenic.

Xylene - CAS: 1330-20-7

OBSERVATIONS ON HUMAN SUBJECTS NON-PROFESSIONAL EXPOSURE - Effects following acute exposure:

Symptoms of intense exposure are: dermatitis, eczema, irritation to the eyes and to the respiratory tract.

Inhaling the vapours can cause dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet.

PROFESSIONAL EXPOSURE - Effects following acute exposure:

Narcotic at high concentrations.

Irritation through inhalation at 200 ppm (TCLo). Inhalation of 200 ppm has irritating effects in human subjects.

Human subject (oral)(LDLo): 50 mg/kg.

Inhalatory human subject (LCLo) 10000 ppm/6h.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

12. ECOLOGICAL INFORMATION

Toxicity

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

Persistence and degradability

Not persistent and Biodegradable

Bioaccumulative potential

Not bioaccumulative

Mobility in soil

Do not mix with waste water, rain or surface water. Floats on water, evaporates from liquid and solid surfaces but a significant amount may penetrate and pollute water table.

Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

The empty containers must be considered special waste materials to take to dump of type 2B. If previously cleansed, they can be admitted in first class dumps.

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**ADR/RID-Class**

If transported without hardener:

Not liable for receptacles equal or less than 450 litres, transported in accordance with 2.2.3.1.5 ADR.

If transported as Polyester Resin Kit (with hardener):

Limited quantities, not liable to ADR norms for internal packages of up to 5L and a maximum 30 kg per pack.

UN number: 3269
Packing Group: III
Shipping Name: Polyester Resin Kit
Transport category : 3
Classification code: F1
Label: 3

IMDG/IMO

If transported without hardener:

UN number: 1263
Packing Group: III
Shipping Name: Paint
Transport category : 3
Class: 3
IMDG-label: 3
IMDG-EMS: F-E,S-E

If transported as Polyester Resin Kit (with hardener):

UN number: 3269
Packing Group: III
Shipping Name:: Polyester Resin Kit
Transport category: 3
Class: 3
IMDG-label: 3
IMDG-EMS: F-E,S-D

Marine pollutant MARPOL (Annex II/III): No

For the correct trasposrt classification according to European decrees pertaining to international transport of dangerous goods by road (ADR) and by sea (IMDG), please refer to the goods' transport documentation.

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Dir. 2006/8/EC
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 453/2010 (Annex I)
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006
(REACH) and subsequent modifications:
None
Volatile Organic compounds - VOCs = 133 g/Kg = 248 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.11
Where applicable, refer to the following regulatory provisions :
Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.
Regulation (EC) nr 648/2004 (detergents).
1999/13/EC (VOC directive)
Chemical safety assessment
No

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

R10 Flammable.
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37 Irritating to respiratory system.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R65 Harmful: may cause lung damage if swallowed.
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H372 Causes damage to ear through prolonged or repeated exposure via inhalation..
H312 Harmful in contact with skin.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.
H304 May be fatal if swallowed and enters airways.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
CCNL - Appendix 1

Insert further consulted bibliography

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

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.

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.

LTE: Long-term exposure.

N.A.: Not applicable.

N.D.: Not determined.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

The detailed information is based on our knowledge until the date above indicated.

Those security details refer exclusively to the indicated product and do not constitute a guarantee of particular qualities.

The user must ensure the adequacy and accuracy of such information in relation to the specific use that should be made of the product.

This sheet cancels and replaces any previous edition.

