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

1.1 Product identifier

Product name:	GELCOAT
Commercial code:	40.042
UFI code:	XSVJ-P304-1007-YHJC

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

Retouching product

1.3 Details of the supplier of the safety data sheet

Company name:	Silpar TK snc
Address:	Via Rosa Luxemburg 12/14 10093 - Collegno (TO)
Telephone:	+39 011 7791177
Fax:	+39 011 7791177
Email:	sicurezza@silpartkline.com

1.4 Emergency telephone number

CAVp "Osp. Pediatrico Bambino Gesù - Roma	Tel. +39 06 68593726
Az. Osp. Univ. Foggia	Tel. +39 0881 732326
Az. Osp. "A. Cardarelli" – Napoli	Tel. +39 081 7472870
CAV Policlinico "Umberto I" – Roma	Tel. +39 06 49978000
CAV Policlinico "A. Gemelli" – Roma	Tel. +39 06 3054343
Az. Osp. "Careggi" U.O. Tossicologia Medica – Firenze	Tel. +39 055 7947819
CAV Centro Nazionale di Informazione Tossicologica – Pavia	Tel. +39 0382 24444
Osp. Niguarda Ca' Granda – Milano	Tel. +39 02 66101029
Azienda Ospedaliera Papa Giovanni XXII – Bergamo	Tel. +39 800 883300
Azienda Ospedaliera Universitaria Integrata Verona	Tel. +39 800 011858

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Reg. EU n°1272/2008 [CLP]

Flam. Liq. 3 H226
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335
STOT RE 1 H372

.

2.2 Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements:
H226 Flammable liquid and vapour
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H372 Causes damage to organs through prolonged or repeated exposure

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 ("Read label before use
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 + P235 Store in a wellventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations

Contains:
Styrene

2.3 Other hazards
Substance vPvB: None - Substance PBT: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
N.A.

3.2 Mixtures

1.CAS 2.N° EC 3.N° Index 4.N° REACH	Name	Weight (%)	Classification 1272/2008 (CLP)
1.100-42-5 2.202-851-5 3.601-026-00-0 4.Not Available	Styrene	10-25	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Acute Tox. 4 H332 STOT SE 3 H335 STOT RE 1 H372

The full text of the H phrases is given in section 16 of the safety data sheet

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: In case of contact with the eyes, rinse them with water for an adequate amount of time and keeping the eyelids open, then immediately consult an ophthalmologist. Protect the uninjured eye.

Skin contact: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

Ingestion: Do not under any circumstances induce vomiting. SEEK MEDICAL EXAMINATION IMMEDIATELY

Inhalation: Remove to open air. If unwell, contact a doctor.

4.2 Most important symptoms and effects, both acute and delayed
For symptoms and effects caused by the contained substances, see chap. 11.

4.3 Indication of any immediate medical attention and special treatment needed

In the event of an accident or discomfort, consult a doctor immediately (if possible show the instructions for use or the safety data sheet).

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT
Extinguishing substances are: carbon dioxide, foam, chemical powder.
UNSUITABLE EXTINGUISHING EQUIPMENT
Do not use jets of water.

5.2 Special hazards arising from the substance or mixture

The fire will often produce a thick black smoke. Exposure to decomposition products can be dangerous to health.
Do not breathe the fumes.
In the event of a fire, the following may form:
- carbon monoxide (CO)
- carbon dioxide (CO2)
- sulfur dioxide (SO2)

5.3 Advice for firefighters

Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.
Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for the workers and for emergency interventions.
Keep unequipped people away. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) or heat from the area where the leak occurred.

6.2 Environmental precautions

Prevent the product from spilling or entering drains or water courses. Spills or uncontrolled discharges into water courses should be reported immediately to the Environment Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Refer to sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, sparks and open flames, do not smoke or use matches or lighters. Without adequate ventilation, vapors can accumulate on the ground and catch fire even at a distance, if triggered, with the risk of backfire. Avoid the accumulation of electrostatic charges. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid the dispersion of the product in the environment.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container. Store in a cool and well-ventilated place, away from heat sources, open flames, sparks and other sources of ignition. Keep containers away from any incompatible materials, checking section 10.

7.3 Specific end use(s)
See section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Styrene
TLV-ACGIH
TWA: 20 ppm / 85 mg / m3
STEL: 40 mg / m3 / 170 ppm

Derived No Effect Level (DNEL)

Styrene
Dermal 406 mg / kg bw / day (Systemic, chronic)
Inhalation 85 mg / m^3 (Systemic, chronic)
Inhalation 100 mg / m^3 (Local, chronic)
Inhalation 100 mg / m^3 (Systemic, acute)
Inhalation 100 mg / m^3 (Local, acute)
Dermal 343 mg / kg bw / day (Systemic, chronic)*
Inhalation 1 mg / m^3 (Systemic, chronic)*
Oral 2.1 mg / kg bw / day (Systemic, chronic)*
Inhalation 1 mg / m^3 (Local, chronic)*
Inhalation 10 mg / m^3 (Systemic, acute)*
Inhalation 10 mg / m^3 (Local, acute)*

* Values referred to the general population

PNEC exposure limit values

Styrene
0.028 mg / L (Fresh water)
0.014 mg / L (Water - intermittent release)
0.04 mg / L (Marine water)
0.418 mg / kg sediment dw (Sediment (Freshwater))
0.307 mg / kg sediment dw (Sediments (Marine))
0.146 mg / kg soil dw (Soil)
5 mg / L (STP)

Technical controls
Ensure adequate ventilation, especially in confined areas.
Make sure eye washers and showers are close to the workplace.
Use anti-exposure equipment
Provide an emergency exit.

8.2 Exposure controls

Hands protection	Protect hands with category work gloves (ref. Standard EN 374). For the final choice of the material of the work gloves it is necessary to consider: compatibility, degradation, breakage time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. Gloves have a wear time that depends on the duration and method of use.
Respiratory protection	Concentration levels in the air should be kept below exposure limits. Respiratory protection is required when the concentration in the air exceeds the TLV: use EN149 FFP2 approved masks or Type EN140 half-face respirators with Filter Type EN143: A2 or full-face respirators EN136 (Filter Type EN143: A2).
Eye and face protection	Wear protective goggles (see standard EN 166).

Body and skin protection: Wear clean antistatic clothing with consistent coverage and antistatic safety footwear for professional use of category S2 (Type EN20345). In case of prolonged contact, use protective clothing impermeable to this material: shirts, aprons or full coveralls (Type EN 340-EN13034).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Pasty
Colour:	N.A.
Odour:	Styrene
Odour threshold:	N.A.
pH:	N.A.
Melting point/freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Flash point:	32°C
Evaporation rate:	N.A.
Flammability (solid, gas):	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure:	< 110kPa (1,10 bar)
Vapour density (Air=1):	N.A.
Relative density (Water=1):	> 1
Solubility(ies):	Insoluble
Partition coefficient: n-octanol/water:	N.A.
Auto-ignition temperature (°C):	N.A.
Decomposition temperature:	N.A.
Kinematic viscosity:	13 000 - 20 000 cps
Explosive properties:	N.A.
Oxidising properties:	N.A.

9.2 Other information

Information not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.
STYRENE
Cures at temperatures above 65 ° C. Possibility of fire.Possibility of explosion.
It is added with an inhibitor that requires a small amount of dissolved oxygen at temperatures <25 ° C / 77 ° F.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Exposed to high temperatures, the mixture can release dangerous decomposition products, such as carbon monoxide and dioxide, fumes, nitrogen oxide.
STYRENE
Can react dangerously with: peroxides, strong acids. It can polymerize in contact with: aluminum trichloride, acisobutyronitrile, dibenzoyl peroxide, sodium. Risk of explosion on contact with: butyllithium, chlorosulfuric acid, di-terbutyl peroxide, oxidizing substances, oxygen.

10.4 Conditions to avoid

Avoid: the accumulation of electrostatic charges, heating, heat, flames and hot surfaces.
STYRENE
Avoid contact with: oxidizing substances, copper, strong acids.

10.5 Incompatible materials

Avoid contact with oxidizing materials. The product could catch fire. Avoid contact with strong reducing and oxidizing agents, strong acids and bases, high temperature materials.
STYRENE
Incompatible materials: plastics.

10.6 Hazardous decomposition products
It does not decompose when used for its intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Unless otherwise specified, the data required by Regulation (EU) 878/2020 indicated below are to be understood as N.A .:

Toxicological information about the product:
ALUSPRAY
a) acute toxicity
Not classified
Based on available data, the classification criteria are not met.
Styrene
Dermal (Rat) LD50:> 2000 mg / kg
Inhalation (Rat) LC50; 9.5 mg / L4h
Oral (Rat) LD50; 316 mg / kg
b) skin corrosion / irritation
The product is classified: Skin Irrit. 2 H315
c) serious eye damage / eye irritation
The product is classified: Eye Irrit. 2 H319
d) respiratory or skin sensitization
Not classified
Based on available data, the classification criteria are not met.
e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met.
f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met.
g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met.
h) specific target organ toxicity (STOT) - single exposure
The product is classified: STOT SE 3 H335
i) specific target organ toxicity (STOT) - repeated exposure
The product is classified: STOT RE 1 H372
j) danger in case of aspiration
Not classified
Based on available data, the classification criteria are not met.

11.2 Information on other hazards
Flammable product

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Endpoint	Test di durata (ore)	Specie	Valore
Styrene			
NOEC (ECx)	96h	Algae	0.063mg/l
LC50	96h	Fish	4.02mg/l
EC50	72h	Algae	1.4mg/l
EC50	48h	Crustaceans	4.7mg/l

EC50	96h	Algae	0.72mg/l

12.2 Persistence and degradability

Ingredient	Persistence: Water / Soil	Persistence: Air
Styrene	HIGH (Half-life = 210 days)	LOW (Half-life = 0.3 days)

12.3 Bioaccumulative potential

Ingredient	Bioaccumulation
styrene	LOW (BCF = 77)

12.4 Mobility in soil

Ingredient	Mobility
Styrene	LOW (KOC = 517.8)

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Avoid littering. Do not contaminate soil, sewers and waterways. Waste transportation may be subject to ADR restrictions. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

ADR-UN number: 1325
IATA-Un number: 1325
IMDG-Un number: 1325

14.2 UN proper shipping name

ADR-Shipping Name: FLAMMABLE SOLIDS, ORGANIC, N.O.S. (Styrene)
IATA-Technical name: FLAMMABLE SOLIDS, ORGANIC, N.O.S. (Styrene)
IMDG-Technical name: FLAMMABLE SOLIDS, ORGANIC, N.O.S. (Styrene)

14.3 Transport hazard class(es)

ADR-Class: 4.1
IATA-Class: 4.1
IMDG-Class: 4.1

14.4 Packing group

ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

ADR / RID Class Code Number Label Identif. LQ Dispo. EQ Cat. Tunnel
4.1 F1 III 4.1 40 5 kg 274 E1 3 E
IMDG Class 2 ° Etic. LQ Ems Dispo number. EQ
4.1 - III 5 kg F-A, S-G 223 274 915 E1
IATA Class 2 ° Etic. Passenger Number Passenger Cargo Cargo note EQ
4.1 - III 446 25 kg 449 100 kg A3 E1

14.7 Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: REGULATORY INFORMATION

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

Seveso Category - Directive 2012/18/EC:
P5c

Substances subject to authorisarion (Annex XIV REACH).
None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:
None.

Substances subject to the Rotterdam Convention:
None.

Substances subject to the Stockholm Convention:
None.

Healthcare controls.
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture

SECTION 16: OTHER INFORMATION

Full text of H codes mentioned in sections 2 - 3

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H372 Causes damage to organs through prolonged or repeated exposure.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods

- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

Classification and procedure used to derive it according to regulation (EC) 1272/2008 [CLP] in relation to the mixture:

Flam. Liq. 3 H226 - Calculation method
Skin Irrit. 2 H315 - Calculation method
Eye Irrit. 2, H319 - Calculation method
STOT SE 3 H335 - Calculation method
STOT RE 1 H372 - Calculation method

GENERAL BIBLIOGRAPHY

Regulation (EU) 1907/2006 of the European Parliament (REACH)
Regulation (EU) 1272/2008 of the European Parliament (CLP)
Regulation (EU) 2020/878 (Annex II REACH Regulation)
Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
Regulation (EU) 2016/1179 (IX Atp. CLP)
Regulation (EU) 2017/776 (X Atp. CLP)
Regulation (EU) 2018/669 (XI Atp. CLP)
Regulation (EU) 2019/521 (XII Atp. CLP)
Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
Regulation (EU) 2019/1148
Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
Regulation (EU) 2020/878 of the European Parliament

The Merck Index. - 10th Edition
Handling Chemical Safety
INRS - Fiche Toxicologique (toxicological sheet)
Patty - Industrial Hygiene and Toxicology
N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
ECHA website

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products

Changes compared to the previous version:
01/02/03/04/05/06/07/08/09/10/11/12/13/14/15/16