SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Meniglue F118L

1.2 Use of the specimen: protein-based glue in jelly form mainly used for gluing paper and cardboard by box factories and bookbindings companies.

1.3 Company/enterprise identification:

MENICHETTI GLUES & ADHESIVES SRL

VIA RAGAZZI DEL '99, NR. 34, 50054 FUCECCHIO (FI), ITALIA

1.4 Emergency telephone number:

MENICHETTI GLUES & ADHESIVES SRL

TEL: +39 0571 260662 THIS NUMBER IS AVAILABLE ONLY DURING OFFICE HOURS

2. HAZARDS IDENTIFICATIONS

2.1 Classification of the substance or mixture:
Any physical/chemical effect is harmful to human health or environment

2.2 Label elements:
Symbols: none
Hazard indication: none
Safety advice: none
Special dispositions: EUH210 Safety Data Sheet available on request

This product is not considered dangerous according to Regulations EC 1272/2008 (CLP)
Any special disposition in accordance with XVII Annex of REACH and its subsequent adjustments.

2.3 Other dangers:
The substances contained in this mixture did not meet the criteria for classification as PBT or vPvB when this Safety Data Sheet has been drawn up.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: n.a.

3.2 Mixtures:

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4-chloro-3-methylphenol	CAS-No.: 59-50-7 EC-No.: 200-431-6 EC Index-No.: 604-014-00-3	=< 0,1%	H302 Harmful is ingested. H314 Causes severe skin burns and serious eye damage. H317 May cause an allergic skin reaction. H335 May irritate the respiratory tract. H400 Very toxic to aquatic organisms. H412 Harmful to aquatic organisms with long-lasting effects.
2-Phenylphenol (ISO)	CAS-No.: 90-43-7 EC-No.: 201-993-5	=< 0,1%	H315 Causes skin irritation. H319 Causes serious eye irritations.

	EC Index-No.: 604-020-00-6		H335 May causes respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to acquatic life with long lasting effects.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

4.1.1 In case of skin contact wash with water. In case of contact with eyes wash immediately with plenty of clean, fresh water for 10 minutes and seek medical help if necessary. In case of ingestion drink plenty of water and seek medical advice showing the MSDS.

4.1.2 Any special measure is required for this particular mixture.

4.2 Main symptoms and effects, both acute and delayed:
For this mixture, any acute nor delayed effect is currently known.

4.3 Indications on the possible need to call immediately for a doctor or to make special treatments:
Refer to section **4.1.1** if medical assistance is required.

5. FIRE FIGHTING MEASURES

5.1 Estinguishing media:
Suitable extinguishing media: water, CO_2, foam, dry powers according to the materials involved in the fire.
Unsuitable extinguishing media: none.

5.2 Special hazards arising from the mixture:
The combustion may develop dark and dense smokes containing carbon monoxide, carbon dioxide and not identified toxicological and/or irritant compounds. Avoid to inhale smokes.

5.3 Advice for firefighters: always wear a protective equipment. Use a protective helmet with visor, fireproof clothing, working gloves, an overpressure mask with a lid covering all the operator's face or the respirator in case of large amounts of smoke.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment in case of emergency:

6.1.1 For non-emergency personnel: Evacuate the contaminated area.
Do not intervene if not properly educated about what to do.

6.1.2 For emergency personnel: use a filter respirator for organic vapors. For hands protection use neoprene or polyethylene gloves. For eyes use protective glasses with face-shield.
Wear usual working clothes for body protection.

6.2 Environmental precautions:
Avoid environmental scattering. Prevent entry into the drainage system or on surface water.

6.3 Methods and materials for containment and cleaning up:

6.3.1 Mode to contain a spill: contain the spillage by using earth, sand or other inert

absorbent material.

6.3.2 Procedure of drainage of a spill: dispose of the contaminated absorbent material and afterwards clean up with water.

6.3.3 Any other information relating to spills and releases: none

6.4 References to other sections:
For further information on personal protective equipment and on disposal procedures, refer to sections 8 and 13 of this Safety Data Sheet.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Provide good ventilation in the workplace.

7.1.2 Keep away from heat sources and protected from direct sunlight.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Any risks associated with explosive atmospheres, corrosive conditions, dangers of flammability, evaporation conditions, potential ignition sources is currently known
7.2.2 Store in a cool, well-ventilated place to temperatures possibly not exceeding 30° C
7.2.3 The product is stable in normal conditions of use and storage
7.2.4 Use original and undamaged packaging

7.3 Specific end uses: none

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Checking parameters:
This product does not contain substances with occupational exposure limit values.

8.2 Exposure controls:

8.2.1 Appropriate technical controls: work in accordance with good industrial hygiene practices

8.2.2 Individual protection measures, such as personal protective equipments:

8.2.2.1 Keep personal protective equipment as reported in the instruction manual

8.2.2.2 For eyes protection use hermetic protection glasses. For hands protection use neoprene or polyethylene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state and colour:	solid and gummy of brown color
Odour:	Typical
pH:	5.5 – 6.5
Boiling point:	Approx.. 100°C
Flammability point:	n.a.
Flammability:	not flammable
Esplosive properties:	n.a.
Combustion properties:	n.a.
Vapour pression:	n.a.
Relative density:	n.a.
Water solubility:	100%
Partition coefficient n-octanol / water:	n.a.
Viscosity (Brookfield):	ca. 900 mPas (60°C)
Vapour density:	n.a.

9.2. Other information

Miscibility: Not available
Conductivity: Not available
No other relevant information

10. STABILITY AND REACTIVITY

10.1 Reactivity:

10.1.1 The product is stable if used according to the instructions contained in this Safety Data Sheet

10.1.2 Avoid contact with aldehydes, that cause the formation of a thermally irreversible gel with the consequent loss of the characteristics of adhesiveness required and alteration of the chemical-physical characteristics expressed in point (9).

10.2 Chemical stability: The mixture is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions: No hazards to be specially mentioned.

10.4 Conditions to avoid: none in particular.

10.5 Incompatible materials: none in particular.

10.6 Hazardous decompositions products: Heat can release carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	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) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties: No endocrine disruptor substances present in concentration >= 0.1%

12. ECOLOGICAL INFORMATION

12.1. Toxicity
N.A.
12.2. Persistence and degradability
N.A.
12.3. Bioaccumulative potential
N.A.
12.4. Mobility in soil
N.A.
12.5. Results of PBT and vPvB assessment
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%
12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%N.A.
12.7. Other adverse effects
Not available

13. DISPOSAL CONSIDERATIONS

13.1 Procedure for disposal:
Recycle if possible. Dispose in accordance with local, regional, national regulations.
91/156/EEC, 91/689/EEC, 94/62/EC and subsequent adjustments.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number
Not Applicable
14.2. UN proper shipping name
Not Applicable
14.3. Transport hazard class(es)
Not Applicable
14.4. Packing group
Not Applicable
14.5. Environmental hazards
Not Applicable
14.6. Special precautions for user
Not Applicable
Road and Rail (ADR-RID):

Not Applicable
Air (IATA):
Not Applicable
Sea (IMDG):
Not Applicable

14.7. Maritime transport in bulk according to IMO instruments

Not Applicable

15. REGULATORY INFORMATION

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

Dir. 98/24/EC (Risk related to chemical agent at work)
Dir. 2000/39/EC (Occupational exposure limit values)
D.M. 03/04/2007 (Implementation of the Directive n. 2006/8/EC)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 2020/878
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (UE) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Provision related to directive EU 2012/18 (Seveso III): none

Restrictions related to the product or to the contained substances according to Annex XVII of Regulation (EC) No. 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product: none
Restrictions related to the contained substances: none

SVHC substances: none

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture

16. OTHER INFORMATION

Main bibliographic sources:
NIOSH - Registry of toxic effects of chemical substances
ECDIN - Environmental Chemical Data and Information Network - Joint Research Centre,

Commission of the European Communities
SAX'S - Dangerous properties of industrial materials
National Institute of Health - National Inventory Chemical Substances

The information contained herein is based on our knowledge at the above-specified date. They refer solely to the product indicated and constitute no guarantee of particular quality. The user must verify the suitability and integrity of such information in relation to the specific use to be done. The use of this product is not subject to our direct control; therefore, users must comply under their own responsibility, with the laws and regulations in force on health and safety. We do not assume responsibility for improper use.

This data sheet integrates the technical sheet but does not replace it.
This MSDS cancels and replaces any preceding release.

Sheet issued by MENICHETTI GLUES & ADHESIVES
For further information contact: Dr. Buralli Dario.