



Giusto Manetti Battiloro S.p.A.

50013 Campi Bisenzio (FI) Via Tosca Fiesoli, 89/M

Tel. (055) 330952/3/4- Fax (055) 352817

Tel. (055) 436261 - Fax (055) 4362639

P.IVA e C.F. 00389280488

Capitale Sociale € 2.400.000 i.v.



MATERIAL SAFETY DATA SHEET



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Identification of a mixture:

Trade name: Syntethetic protection

1.2. Identified uses of the substance or mixture and uses advised against

Recommended use:

Solvent-based painting product.

1.3. Details of the supplier of the safety data sheet

Supplier:

Giusto Manetti Battiloro S.p.A.

Via Tosca Fiesoli 89 M

-50013 Campi Bisenzio (FI)

P.IVA 00389280488

Tel. + 39 055 436261

e-mail: g.sonni@manetti.it

Competent person responsible for the safety data sheet:

g.sonni@manetti.it Tel. + 39 055 4362655

1.4. Emergency telephone number

Tel. + 39 055 436261

e-mail: g.sonni@manetti.it

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Criteria EC Regulation 1272/2008 (CLP):

Danger, Flam. Liq. 2, highly flammable liquid and vapour.

Attention, Eye Sore And Swollen. 2, causes serious eye irritation.

Physicochemical effects harmful to human health and the environment:

No other hazards

2.2. Label elements

Symbols:



Danger

Hazard statements:

Flammable liquid and vapor H225.

H319 causes serious eye irritation.

Precautionary Statements:

P101 if medical advice is needed, please have the product container or label.

P102 keep out of reach of children.

P103 read label before use.

P210 keep away from heat, sparks, open flames, hot surfaces or other sources of ignition. Do not smoke.

P370 + P378. C In case of fire: use CO2 fire extinguishers, foam, dry chemical to extinguish.

P501 dispose of contents/container in accordance with the regulation.

Special provisions:

Pack2 packaging must carry a tactile indication of danger to the blind.
 Special provisions in accordance with annex XVII of REACH and subsequent modifications:
 No

2.3. Other hazards

VPvB substances: none-PBT substances: No

Other hazards:

No other hazards

3.COMPOSITION /INFORMATION ON INGREDIENTS

3.1.Substances

N.A.

3.2. Mixtures

Hazardous components according to CLP and its classification:

Qty	Name	Number of identif.	Classification
> = 30%- 35% <	Ethanol	Index 603-002-00-5 Number: CAs: 64-17-5 EC: 200-578-6 REACH No.: 01- 2119457610- xxxx	 2.6/2 Flam. Liq. 2 H225
> = 15%- 20% <	propan-2-OL	Index 603-117-00-0 Number: CAs: 67-63-0 EC: 200-661-7 REACH No.: 01- 2119457558- 25-xxxx	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H336
< > = 0.25%- 0.5%	xylene	Index 601-022-00-9 Number: CAs: 7/20/1330 EC: 215-535-7 REACH No.: 01- 2119488216- 32-xxxx	 2.6/3 Flam. Liq. 3 H226  3.2/2 Skin Irrit. 2 H315  3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Inhal Acute Tox. 4 H332
> = 0.1%- 0.25% <	Ethylbenzene	Index 601-023-00-4 Number: CAs: 100-41-4 EC: 202-849-4 REACH No.: 01- 2119489370- 35-xxxx	 2.6/2 Flam. Liq. 2 H225  3.1/4/Inhal Acute Tox. 4 H332  3.9/2 STOT RE 2 H373  3.10/1 Asp. Tox. 1 H304

4.FIRST-AID MEASURES

4.1. Description of first aid measures

In case of skin contact:

Take off immediately all contaminated clothing.

Rinse immediately with plenty of running water and possibly SOAP body areas that have been in contact with the product, even if only suspected.

Thoroughly flush the body (shower or bath).

Remove contaminated clothing immediately and dispose of it safely.

In case of contact with skin, wash immediately with SOAP and plenty of water.

In case of eye contact:

In case of contact with eyes, rinse with water for an appropriate time interval and holding open the lids, then immediately consult an ophthalmologist.

Protect the eye unharmed.

If swallowed:

Do not induce vomiting. SEEK IMMEDIATE MEDICAL EXAMINATION.

In case of inhalation:

Move the victim to fresh air and keep him warm and at rest.

4.2. Main symptoms and effects, both acute and delayed

None

4.3. Indication of the possible need to seek immediate medical attention and special treatment

In case of accident or if you feel unwell, seek medical advice immediately (show the instructions for use or the material safety data sheet).

Treatment: None

5.FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents:

Extinguishing media which must not be used for safety reasons:

DO NOT USE WATER EXTINGUISHERS.

5.2. Special hazards arising from the substance or mixture

Do not inhale the gases produced by the explosion and from burning.

Combustion produces heavy smoke.

5.3. Recommendations for fire-fighters

Use proper respiratory equipment.

Collect separately contaminated water used to extinguish the fire. Do not download it into drains.

If feasible in terms of security, move out of the immediate danger undamaged containers.

6.ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

Remove all sources of ignition.

Move people in a safe place.

Refer to protective measures that are exposed to the point 7 and 8.

6.2. Environmental precautions

Prevent penetration into soil/subsoil. Prevent runoff into surface water or into drains.

Retain contaminated washing water and discard.

In the event of a gas leak or penetration into waterways, soil or sewage system inform responsible authorities.

Material suitable for picking: absorbent material, organic, sand

6.3. Methods and materials for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections: See also section 8 and 13

7.HANDLING AND STORAGE

7.1. Precautions for safe handling

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

Do not use empty containers before they were cleaned.

Before transfer make sure that containers are not incompatible materials residues.

Contaminated clothing must be replaced before entering dining areas.

Do not eat or drink during work.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures below 20° c. Keep away from flames and heat. Avoid exposure to direct sunlight.

Keep away from open flames, sparks and heat sources. Avoid exposure to direct sunlight.

Keep away from food, drink and animal feed.

Incompatible materials:

None in particular.

Indication for locals:

Cool and adequately ventilated.

7.3. Specific end uses

No particular use

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ethanol-CAS: 64-17-5

ACGIH-STE: 1000 ppm-notes: A3-URT irr

propan-2-OL-CAS: 67-63-0

ACGIH-LTE (8:00): 200 ppm-STE: 400 ppm-notes: A4, BEI-Eye and URT irr, CNS impair

xylene-CAS: 7/20/1330

EU-LTE (8:00): 221 mg/m³, 50 ppm-STE: 442 mg/m³, 100 ppm-Note: Bold-type: Indicative Occupational Exposure Limit Values [2.3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH-LTE (8:00): 100 ppm-STE: 150 ppm-notes: A4, BEI-URT and eye irr, CNS impair

Ethylbenzene 100-41-4-CAS:

EU-LTE (8:00): 442 mg/m³, 100 ppm-STE: 884 mg/m³, 200 ppm-Note: Bold-type: Indicative Occupational Exposure Limit Values [2.3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH-LTE (8:00): 20 ppm-notes: A3, BEI-URT irr dam, kidney (nephropathy), cochlear impair Exposure limit values DNEL

Ethanol-CAS: 64-17-5

Professional worker: 1900 mg/kg-consumer: 950 mg/kg-Human exposure: inhalation-frequency: short term, local effects

Professional worker: 950 mg/kg-consumer: 114 mg/kg-Human exposure: inhalation-frequency: long-term, systemic effects

Professional worker: 343 mg/kg-consumer: 206 mg/kg-exposure: Human Skin-frequency: long-term, systemic effects

Consumer: 87 mg/kg-exposure: Human Oral-frequency: long-term, systemic effects

propan-2-OL-CAS: 67-63-0

Professional worker: 888 mg/kg-consumer: 319 mg/kg-exposure: Human Skin-frequency: long-term, systemic effects

Professional worker: 500 mg/kg-consumer: 89 mg/kg-Human exposure: inhalation-frequency: long-term, systemic effects

Consumer: 26 mg/kg-exposure: Human Oral-frequency: long-term, systemic effects

xylene-CAS: 7/20/1330

Professional worker: 180 mg/kg-consumer: 108 mg/kg-exposure: Human Skin-frequency: long-term, systemic effects

Professional worker: 77 ppm-consumer: 14.8 ppm-Human exposure: inhalation-frequency: long-term, systemic effects

Professional worker: 289 174 ppm ppm-consumer:-Human exposure: inhalation-frequency: short term (acute)

Professional worker: 289 174 ppm ppm-consumer:-Human exposure: inhalation-frequency: short term, local effects

Consumer: 1.6 mg/kg-exposure: Human Oral-frequency: long-term, systemic effects

Exposure limit values PNEC

N.A.

8.2. exposure controls

Considering that the use of adequate technical measures should always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local exhaust ventilation or exhaust stale air. If this does not allow you to maintain the concentration of the product under the occupational exposure limits, wear appropriate respiratory protection. When using the product please refer to the warning label for details. During the selection of personal protective equipment get possibly advice to suppliers of chemicals. Personal protective equipment must comply with the regulations set out below.

HAND PROTECTION

Protect your hands with gloves category II (REF. Directive 89/686/EEC and EN 374) such as PVC, neoprene, nitrile or equivalent. For the final choice of the glove material from work are to be considered: degradation, break time and permeation. In the case of preparations the resistance work gloves must be checked before use, as unpredictable. The gloves have a wear time which depends on the duration available.

EYE PROTECTION

Wear safety glasses, sealed (REF. standard EN 166).

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use of category II (REF. Directive 89/686/EEC and EN 344). Wash with SOAP and water after removing protective clothing.

RESPIRATORY PROTECTION

In case of exceeding the threshold value of one or more of the substances present in the preparation, reported the daily exposure in the workplace or in a village established by the prevention and protection service company, wear a mask with filter type B or universal whose class (1, 2 or 3) must be chosen in relation to the concentration limit (REF. Standard EN 141). The use of respiratory protective equipment like masks with cartridge for organic vapors and dusts/mists, it is necessary in the absence of technical measures to limit worker exposure. The protection offered by the masks is limited.

In the case where the substance in question is odorless or its odor threshold exceeds its limit of exposure and in an emergency, or when exposure levels are known, or the oxygen concentration in the workplace is at least 17% by volume, wear open-circuit compressed air breathing apparatus (REF. standard EN 137) or respirator to the external air vent for use with full face mask, half mask or mouthpiece (REF. standard EN 138). Establish a system for emergency eyewash and shower. If there is a risk of being exposed to dripping or splashing in relation to processing, provision should be made for adequate protection of mucous membranes (mouth, nose, eyes) in order to avoid accidental absorption.

Appropriate engineering controls:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Property	Value	Method:	Notes:
Appearance and color:	Nearly colorless clear liquid	--	--
Smell:	Characteristic of alcohol	--	--
Odor threshold:	N.A.	--	--
Ph.:	N.A.	--	--
Melting/freezing point:	N.A.	--	--
Initial boiling point and boiling range:	n.d.	--	--
Flash point:	12° C ca.	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	Flammable vapors	--	--
Upper/lower flammability or explosion:	N.A.	--	--
Vapor pressure:	N.A.	--	--
Vapor density:	N.A.	--	--
Relative density:	0.970 kg/l	--	--
Water solubility:	Partially soluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	342° C ca.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	> 30 "(3 mm ISO Cup)	--	--
Explosive properties:	Lower limit Upper 2% (v/v)-19% (v/v)	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Property	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Characteristic properties of groups of substances	N.A.	--	--

10. STABILITY AND REACTIVITY

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with oxidizing substances. The product may catch fire.
- 10.6. Hazardous decomposition products
Anyone.

11. TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects
 - Toxicological information of the mixture:
N.A.
 - Toxicological information of the main substances present in the mixture:
Ethanol-CAS: 64-17-5
h) acute toxicity:
Test: LD50-route: oral-species: rat 1501 mg/kg
Test: LC50-route: inhalation-species: rat 5.9 mg/l-duration: 8:00
propan-2-OL-CAS: 67-63-0
h) acute toxicity:
Test: LD50-route: oral-species: rat 5500 mg/kg
Test: LD50 species: Rabbit-Skin-route: > 2000 mg/kg
Test: LC50-route: inhalation-species: rat 72.6 mg/l-duration: 4:00
xylene-CAS: 7/20/1330
h) acute toxicity:
Test: LC50-route: inhalation-species: rat 20 mg/l
Test: LD50 species: 5627-route: oral-Rat mg/kg
Test: LD50 species: Rabbit-Skin-route: > 5000 mg/kg

Unless otherwise specified, the data requested by Regulation (EU) 2015/830 below are N.A.:

- h) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/eye irritation;
- d) respiratory or skin sensitization;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) specific target organ toxicity (STOT) — single exposure;
the specific target organ toxicity (STOT)) — repeated exposure;
- j) aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Use according to good working practices, avoiding to disperse the product in the environment.

Ethanol-CAS: 64-17-5

h) acute aquatic toxicity:

Endpoint: LC50-species: Fish = 100 mg/l-h Duration: 48

Endpoint: EC50-species: Daphnia = 100 mg/l-duration h: 24

Endpoint: EC50-species: algae = 100 mg/l

propan-2-OL-CAS: 67-63-0

h) acute aquatic toxicity:

Endpoint: LC50-species: Fish = 100 mg/l-h Duration: 48

Endpoint: EC50-species: Daphnia = 1000 mg/l-duration h: 24

Endpoint: EC50-species: algae = 1000 mg/l-h Duration: 72

xylylene-CAS: 7/20/1330

h) acute aquatic toxicity:

Endpoint: EC50-species: Daphnia = 1 mg/l-duration h: 24

Endpoint: EC50-species: algae = 4.36 mg/l-h Duration: 73

Endpoint: LC50-species: Fish = 2.6 mg/l-h Duration: 96

12.2. Persistence and degradability

None

N.A.

12.3. Bio accumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

VPvB substances: none-PBT substances: No

12.6. Other adverse effects

None

13. DISPOSAL CONSIDERATION

13.1. Waste treatment methods

Recover if possible. Send to authorized disposal plants or incineration under controlled conditions. Operate in accordance with current local and national provisions

14. TRANSPORT INFORMATION

14.1. UN number

ADR-UN number: 1263

14.2. Un proper shipping name

14.3. transportation hazard Classes

ADR class: class 3 Gr Imb. II

IATA-class: class 3 Gr Imb. II

IMDG-class: class 3 Gr Imb. II

14.4. Packing Group

14.5. Environmental hazards

14.6. Special precautions for user

Rail (RID): class 3 Gr Imb. II

14.7. carriage in bulk according to annex II of MARPOL and the IBC Code

N.A.

15. REGULATORY INFORMATION

15.1. The laws and regulations on health, safety and environment specific for the substance or mixture

Decree 4/9/2008 # 81

D.m. 2/26/2004 Work (occupational exposure limits)

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) no 1272/2008 (CLP)

Regulation (EC) no 790/2009 (ATP 1 CLP) and (EC) no 758/2013

Commission Regulation (EU) 2015/830

Commission Regulation (EU) no 286/2011 (ATP 2 CLP)

Commission Regulation (EU) no 618/2012 (ATP 3 CLP)

Commission Regulation (EU) no 487/2013 (ATP 4 CLP)

Commission Regulation (EU) no 944/2013 (ATP 5 CLP)

Commission Regulation (EU) no 605/2014 (ATP 6 CLP)

Restrictions relating to the product or to substances in accordance with annex XVII of Council Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Product restrictions:

Restriction 3

40 restriction

Restrictions on substances:

No restrictions.

Where applicable, refer to the following standards:

Ministerial circulars 46 and 61 (aromatic amines).

Decree September 21, 2005 n 238 (Seveso Ter)

Regulation 648/2004/EC (cleaners).

D.I. 4/3/2006 n 152 environmental regulations

Provisions relating to directives 82/501/EC (Seveso), 96/82/EC (Seveso II):

15.2. The chemical safety assessment

No

16. OTHER INFORMATION

Text of phrases used in paragraph 3:

Flammable liquid and vapor h225.

H319 causes serious eye irritation.

H336 may cause drowsiness or dizziness.

Flammable liquid and vapor h226.

H315 causes skin irritation.

H312 harmful in contact with skin.

H332 harmful if inhaled.

H373 may cause damage to organs through prolonged or repeated exposure.

H304 may be fatal if swallowed and enters Airways.

This fact sheet has been revised in all its sections in accordance with regulation 453/2010/EU.

This document was compiled by a technician responsible for SDS and has received appropriate training.

Main bibliographic sources:

NIOSH-Registry of toxic effects of chemical substances (1983)

I.N.R.S.-Fiche Toxicologique (Toxicological Sheet)

The NATIONAL COLLECTIVE LABOUR AGREEMENT-Annex 1 "TLV for the 1989-90"

National Institute of health-national inventory Chemicals

The information contained herein is based on our knowledge at the date above. Related solely to the product and do not constitute a guarantee of particular quality.

The user is responsible for ensuring the suitability and completeness of such information in relation to the specific use intended.

This sheet cancels and replaces any previous edition.

ADR:	European Agreement concerning the international carriage of dangerous goods by road.
CAs:	Chemical Abstracts Service (a division of the American Chemical Society).
CLP:	Classification, Labelling, Packaging.
DNEL:	Derived no-effect level.
EINECS:	European inventory of existing European chemicals on the market.
Gefstoffvo:	Ordinance on hazardous substances in Germany.
GHS:	Globally harmonized system of classification and labelling of chemicals.
IATA:	International air transport association.
IATA-DGR:	Dangerous goods regulation "international air transport Association (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical instructions of "International Civil Aviation Organization (ICAO).
IMDG:	International maritime dangerous goods code.
INCI:	International nomenclature of cosmetic ingredients.
KST:	Explosion coefficient.
LC50:	Lethal concentration for 50% of the test population.
LD50:	Lethal dose for 50% of the test population.
LTE:	Long term exposure.
PNEC:	Predicted no effect concentration.
RID:	Regulation concerning the international carriage of dangerous goods by rail.
STE:	Short-term exposure.
STEL:	Short term exposure limit.
STOT:	Organ-specific toxicity.
TLV:	Threshold limit value.
TWATLV:	Threshold limit value for the weighted average about 8 hours. (ACGIH Standard).
WGK:	Water hazard class (Germany).