

Safety Data Sheet

FINISSAGE

Safety Data Sheet dated 15/6/2015, version 2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: FINISSAGE

Trade code: 1069

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

Recommended use:

Insulating primer for metallic surfaces

Uses advised against:

Not suitable for use in homemaker (DIY) applications.

1.3. Details of the supplier of the safety data sheet

Supplier:

IMPA Spa - Via Crevada 9/E - 31020 SAN PIETRO DI FELETTO (TV) - ITALY

Competent person responsible for the safety data sheet:

msdsref@impa.it

1.4. Emergency telephone number

IMPA Spa - Phone ++39-0438-4548 - Fax ++39-0438-454915 (8.30 - 17.30)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Danger, Flam. Liq. 2, Highly flammable liquid and vapour.

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

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

2.2. Label elements

Symbols:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

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

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains:

2-butanone oxime: May produce an allergic reaction.

2.3. Other hazards

No other known hazard

vPvB Substances: None - PBT Substances: None

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

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Hazardous components within the meaning of CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 7% - < 10%	Aromatic hydrocarbons, C8	CAS: 90989-38-1 EC: 292-694-9 REACH No.: 01-2119486136-34	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Inhal Acute Tox. 4 H332 ⚠ 3.10/1 Asp. Tox. 1 H304 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.9/2 STOT RE 2 H373 DECLJ (CLP)*
>= 3% - < 5%	ethyl acetate	Index number: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4 REACH No.: 01-2119475103-46	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H336 EUH066
>= 1% - < 3%	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-2119475791-29	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226
>= 1% - < 3%	isobutyl acetate	Index number: 607-026-00-7 CAS: 110-19-0 EC: 203-745-1 REACH No.: 01-2119488971-22	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.8/3 STOT SE 3 H336 EUH066
>= 1% - < 3%	propan-2-ol	Index number: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH No.: 01-2119457558-25	<ul style="list-style-type: none"> ⚠ 2.6/2 Flam. Liq. 2 H225 ⚠ 3.3/2 Eye Irrit. 2 H319 ⚠ 3.8/3 STOT SE 3 H336
>= 1% - < 3%	butan-1-ol	Index number: 603-004-00-6 CAS: 71-36-3 EC: 200-751-6 REACH No.: 01-2119484630-38	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H335 ⚠ 3.2/2 Skin Irrit. 2 H315 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.8/3 STOT SE 3 H336 ⚠ 3.1/4/Oral Acute Tox. 4 H302
>= 1% - < 3%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1	<ul style="list-style-type: none"> ⚠ 2.6/3 Flam. Liq. 3 H226 ⚠ 3.8/3 STOT SE 3 H336 EUH066

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		REACH No.: 01-2119485493-29	
>= 1% - < 3%	1-isopropyl-2,2-dimethyltrimethylene diisobutyrate	CAS: 6846-50-0 EC: 229-934-9 REACH No.: 01-2119451093-47	4.1/C3 Aquatic Chronic 3 H412
>= 0.1% - < 0.5%	2-butanone oxime	Index number: 616-014-00-0 CAS: 96-29-7 EC: 202-496-6 REACH No.: 01-2119539477-28	<ul style="list-style-type: none"> ⚠ 3.6/2 Carc. 2 H351 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 ⚠ 3.1/4/Dermal Acute Tox. 4 H312

*DECLJ (CLP): Substance classified in accordance with Note J, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). This note applies only to certain complex coal- and oil-derived substances in Part 3.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

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

In case of Ingestion:

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

In case of Inhalation:

Ventilate the premises. The patient is to be removed immediately from the premises contaminated and made to rest in a well ventilated area. Should the patient feel unwell, consult a physician.

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

None known

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

If you feel unwell, seek medical advice.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

CO₂, powder extinguisher, foam, water spray.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Do not inhale explosion and/or combustion gases (carbon monoxide, carbon dioxide, oxides of nitrogen).

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Remove all sources of ignition.
 - Wear personal protection equipment.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. 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.
- 6.3. Methods and material for containment and cleaning up
 - Suitable material for collection: inert absorbent material (e.g. sand, vermiculite)
 - After the product has been recovered, rinse the area and materials involved.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - 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.
 - Electrical equipment must be protected in compliance with appropriate norms.
 - Do not allow to dry.
 - Avoid shock and friction.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Always keep the containers tightly closed.
 - Always keep in a well ventilated place.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - See chapter 10.5
 - Instructions as regards storage premises:
 - Keep container tightly closed in a cool, well-ventilated place, away from heat.
- 7.3. Specific end use(s)
 - See chapter 1.2

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
 - Aromatic hydrocarbons, C8 - CAS: 90989-38-1
 - ACGIH - LTE: 434 mg/m³, 100 ppm - STE: 651 mg/m³, 150 ppm
 - ethyl acetate - CAS: 141-78-6
 - ACGIH - LTE(8h): 400 ppm - Notes: URT and eye irr
 - WEL -- Country: UNITED KINGDOM - LTE: 730 mg/m³, 200 ppm - STE: 1460 mg/m³, 400 ppm
 - 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 - EU - LTE(8h): 275 mg/m³, 50 ppm - STE: 550 mg/m³, 100 ppm - Notes: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
 - WEL -- Country: UNITED KINGDOM - LTE: 274 mg/m³, 50 ppm - STE: 548 mg/m³, 100 ppm

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isobutyl acetate - CAS: 110-19-0

ACGIH - LTE(8h): 150 ppm - Notes: Eye and URT irr

WEL -- Country: UNITED KINGDOM - LTE: 724 mg/m³, 150 ppm - STE: 903 mg/m³, 187 ppm

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

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

WEL -- Country: UNITED KINGDOM - LTE: 999 mg/m³, 400 ppm - STE: 1250 mg/m³, 500 ppm

butan-1-ol - CAS: 71-36-3

ACGIH - LTE(8h): 20 ppm - Notes: Eye and URT irr

WEL -- Country: UNITED KINGDOM - STE: 154 mg/m³, 50 ppm

n-butyl acetate - CAS: 123-86-4

ACGIH - LTE(8h): 150 ppm - STE: 200 ppm - Notes: Eye and URT irr

WEL -- Country: UNITED KINGDOM - LTE: 724 mg/m³, 150 ppm - STE: 966 mg/m³, 200 ppm

DNEL Exposure Limit Values

Aromatic hydrocarbons, C8 - CAS: 90989-38-1

Worker Professional: 0.077 mg/l - Consumer: 0.0148 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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

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

PNEC Exposure Limit Values

Aromatic hydrocarbons, C8 - CAS: 90989-38-1

Target: Marine water - Value: 0.327 mg/l

Target: Fresh Water - Value: 0.327 mg/l

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

Target: Fresh Water - Value: 12.46 mg/kg

Target: Soil (agricultural) - Value: 2.31 mg/kg

8.2. Exposure controls

Eye protection:

Eye glasses.

Skin protection:

Coat.

Hands protection:

Suitable material:

NBR (nitrile rubber).

FKM (fluoro rubber).

The selection of suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to another one, and on the manner and times of use of the mixture.

Respiratory protection:

Combination filtering device (DIN EN 141).

Environmental exposure controls:

See chapter 6.2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: thick paste

Odour: of solvent

Odour threshold: nd

pH: nd

Melting point / freezing point: nd

Initial boiling point and boiling range: nd

Solid/gas flammability: na

Upper/lower flammability or explosive limits: nd

Vapour density: nd

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Flash point:	18°C ISO 1523:2002-Closed cup equilibrium method
Evaporation rate:	nd
Vapour pressure:	nd
Relative density:	1.63 ± 0.03
Solubility in water:	not soluble
Solubility in oil:	nd
Partition coefficient (n-octanol/water):	nd
Auto-ignition temperature:	nd
Decomposition temperature:	nd
Viscosity:	110000÷130000 mPa.s @20°C Brookfield RVT rpm20 s7
Explosive properties:	none
Oxidizing properties:	none
9.2. Other information	
Miscibility:	nd
Conductivity:	nd

Legend:
na = not applicable - nd = not available

SECTION 10: Stability and reactivity

- 10.1. Reactivity
It may generate dangerous reactions (See subsections below)
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
It may catch fire on contact with oxidising mineral acids, and nitrides.
Because of heat or fire the preparation can release carbon oxides and vapours which may be harmful to health.
Aluminium, copper or brass, acids or acidic resins, amines/aminoalcohols or amino-resins, oxidizing agents may cause exothermic reaction (generating heat and fumes) and/or self-ignition by catalytic decomposition with cellulose nitrate.
- 10.4. Conditions to avoid
Avoid to keep near heat sources.
- 10.5. Incompatible materials
Avoid contact with oxidizing materials or powerful oxidising agents. The product could catch fire.
- 10.6. Hazardous decomposition products
No hazardous decomposition products when stored and handled correctly.
See chapter 5.2

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information of the main substances found in the mixture:
Aromatic hydrocarbons, C8 - CAS: 90989-38-1
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation Vapour - Species: Rat 27124 mg/m3 - Duration: 4h
 - Test: LD50 - Route: Oral - Species: Rat 3223 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit 12126 mg/kg
- ethyl acetate - CAS: 141-78-6
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rabbit 5620 mg/kg
- 2-methoxy-1-methylethyl acetate - CAS: 108-65-6
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat 8530 mg/kg
 - Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
- propan-2-ol - CAS: 67-63-0
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat 5050 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit 12800 mg/kg

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n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat 21.1 mg/l - Duration: 4h

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.

SECTION 12: Ecological information

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

12.1. Toxicity

Ecotoxicological studies of the product are not available.

Aromatic hydrocarbons, C8 - CAS: 90989-38-1

a) Aquatic acute toxicity:

Endpoint: IC50 - Species: Algae 2.2 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia 1.0 mg/l - Duration h: 24

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

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

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

14.2. UN proper shipping name

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ADR-Shipping Name:	PAINT or PAINT RELATED MATERIAL
IATA-Shipping Name:	PAINT or PAINT RELATED MATERIAL
IMDG-Shipping Name:	PAINT or PAINT RELATED MATERIAL
14.3. Transport hazard class(es)	
ADR-Class:	3
ADR - Hazard identification number:	33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
14.4. Packing group	
ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II
14.5. Environmental hazards	
ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
14.6. Special precautions for user	
ADR-Subsidiary risks:	-
ADR-S.P.:	163 640C 650
ADR-Tunnel Restriction Code:	(D/E)
IATA-Passenger Aircraft:	353
IATA-Subsidiary risks:	-
IATA-Cargo Aircraft:	364
IATA-S.P.:	A72
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary risks:	-
IMDG-Storage category:	Category B
IMDG-Storage notes:	-
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
N.A.	

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- Dir. 98/24/EC (Risks related to chemical agents at work)
 - Dir. 2000/39/EC (Occupational exposure limit values)
 - 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 II)
 - 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)

Volatile Organic compounds - VOCs = 24.60 %

Volatile CMR substances = 0.01 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Where applicable, refer to the following Italian regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

15.2. Chemical safety assessment

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No

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

H351 Suspected of causing cancer.

H317 May cause an allergic skin reaction.

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification

SECTION 3: Composition/information on ingredients

SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information

SECTION 15: Regulatory information

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 "TLV for 1989-90"

Safety data sheets of raw materials suppliers.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.

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ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
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.
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).
WGK:	German Water Hazard Class.
N.A.	Not Applicable / Not Available