

Safety Data Sheet

PLANAR

Safety Data Sheet dated 29/9/2014, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: PLANAR

Trade code: 0723

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

Recommended use:

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

Directive criteria, 67/548/EEC, 1999/45/EC and following amendments thereof:

Properties / Symbols:

This mixture is not classified as dangerous according to EC-Directive 67/548, 1999/45 as amended.

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

2.2. Label elements

Symbols:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

Precautionary statements:

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains:

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

2,4,7,9-tetramethyldec-5-yne-4,7-diol: May produce an allergic reaction.

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one: 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

0723/1

Page n. 1 of 8

IMPA Spa - Via Crevada 9/E - 31020 San Pietro di Feletto (TV) - I
Tel. +39 0438 4548 - Fax +39 0438 454915

Safety Data Sheet

PLANAR

3.1. Substances

N.A.

3.2. Mixtures

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

>= 1% - < 3% 2-butoxyethanol

REACH No.: 01-2119475108-36, Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0

Xn,Xi; R20/21/22-36/38

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.1/4/Dermal Acute Tox. 4 H312

⚠ 3.1/4/Inhal Acute Tox. 4 H332

>= 0.1% - < 0.5% 2,4,7,9-tetramethyldec-5-yne-4,7-diol

REACH No.: 01-2119954390-39, CAS: 126-86-3, EC: 204-809-1

Xi; R43-41-52/53

⚠ 3.3/1 Eye Dam. 1 H318

⚠ 3.4.2/1B Skin Sens. 1B H317

4.1/C3 Aquatic Chronic 3 H412

>= 0.1% - < 0.5% ethane-1,2-diol

REACH No.: 01-2119456816-28, Index number: 603-027-00-1, CAS: 107-21-1, EC: 203-473-3

Xn; R22

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.9/2 STOT RE 2 H373

>= 0.1% - < 0.5% ammonia 31%

REACH No.: 01-2119488876-14, Index number: 007-001-01-2, CAS: 1336-21-6, EC: 215-647-6

C,N; R34-50

⚠ 3.2/1B Skin Corr. 1B H314

⚠ 4.1/A1 Aquatic Acute 1 H400

< 0.1% 2-(2-butoxyethoxy)ethanol

Index number: 603-096-00-8, CAS: 112-34-5, EC: 203-961-6

Xi; R36

⚠ 3.3/2 Eye Irrit. 2 H319

< 0.1% reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Index number: 613-167-00-5, CAS: 55965-84-9

T,Xi,C,N; R23/24/25-34-43-50/53

⚠ 3.2/1B Skin Corr. 1B H314

⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317

⚠ 4.1/A1 Aquatic Acute 1 H400

⚠ 4.1/C1 Aquatic Chronic 1 H410

⚠ 3.1/3/Oral Acute Tox. 3 H301

⚠ 3.1/3/Dermal Acute Tox. 3 H311

⚠ 3.1/3/Inhal Acute Tox. 3 H331

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

Safety Data Sheet

PLANAR

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.

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

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.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

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.

Safety Data Sheet

PLANAR

Protect from frost.
7.3. Specific end use(s)
See chapter 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-butoxyethanol - CAS: 111-76-2

EU - LTE: 98 mg/m³, 20 ppm - STE: 246 mg/m³, 50 ppm

WEL -- Country: UNITED KINGDOM - LTE: 123 mg/m³, 25 ppm - STE: 246 mg/m³, 50 ppm

ACGIH - LTE: 97 mg/m³, 20 ppm

ethane-1,2-diol - CAS: 107-21-1

EU - LTE: 52 mg/m³, 20 ppm - STE: 104 mg/m³, 40 ppm

WEL -- Country: UNITED KINGDOM - LTE: 52 mg/m³, 20 ppm - STE: 104 mg/m³, 40 ppm

2-(2-butoxyethoxy)ethanol - CAS: 112-34-5

EU - LTE: 67.5 mg/m³, 10 ppm - STE: 101.2 mg/m³, 15 ppm

WEL -- Country: UNITED KINGDOM - LTE: 67.5 mg/m³, 10 ppm - STE: 101.2 mg/m³, 15 ppm

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Skin protection:

No special precaution must be adopted for normal use.

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:

Not needed for normal use.

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 liquid

Odour: typical

Odour threshold: nd

pH: 7.5 ÷ 8.0

Melting point / freezing point: nd

Initial boiling point and boiling range: nd

Solid/gas flammability: na

Upper/lower flammability or explosive limits: na

Vapour density: nd

Flash point: > 93 °C

Evaporation rate: nd

Vapour pressure: nd

Relative density: 1.36 ± 0.02

Solubility in water: miscible in all ratio

Solubility in oil: nd

Safety Data Sheet

PLANAR

Partition coefficient (n-octanol/water):	nd
Auto-ignition temperature:	na
Decomposition temperature:	nd
Viscosity:	1000÷1900 mPa.s @ 20°C Brookfield RVT rpm 20 s4
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
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
Because of heat or fire the preparation can release carbon oxides and vapours which may be harmful to health.
- 10.4. Conditions to avoid
Avoid to keep near heat sources.
- 10.5. Incompatible materials
None in particular.
- 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 mixture:
N.A.
Toxicological information of the main substances found in the mixture:
2-butoxyethanol - CAS: 111-76-2
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat 470 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit 220 mg/kg
 - Test: LC50 - Route: Inhalation Vapour - Species: Rat 2.17 mg/l - Duration: 4hethane-1,2-diol - CAS: 107-21-1
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat 4700 mg/kgammonia 31% - CAS: 1336-21-6
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat 350 mg/kg

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.

Safety Data Sheet

PLANAR

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.

ammonia 31% - CAS: 1336-21-6

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 0.89 mg/l - Duration h: 96

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 0.19 mg/l - Duration h: 96

Endpoint: IC50 - Species: Algae = 0.027 mg/l - Duration h: 72

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. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

No hazardous goods according to transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

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

Dir. 1999/45/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

Safety Data Sheet

PLANAR

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)
Regulation (EU) n. 618/2012 (ATP 3 CLP)

Volatile Organic compounds - VOCs = 3.11 %

Volatile CMR substances = 0.00 %

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.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Text of phrases referred to under heading 3:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R22 Harmful if swallowed.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

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

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

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

Safety Data Sheet

PLANAR

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.
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