

Safety Data Sheet

TERGI INOX

Safety Data Sheet dated 5/9/2014, version 2

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

- 1.1. Product identifier
Mixture identification
Trade name: TERGI INOX
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use:
Detergent for hard surfaces.
Uses advised against:
Do not use in combination with other products.
- 1.3. Details of the supplier of the safety data sheet
Manufacturer:

SUTTER INDUSTRIES s.p.a. - Società con Unico Socio
15060 Borghetto Borbera (AL) Italia
Tel. +39 0143 631.1
- Competent person responsible for the safety data sheet:
regulatory.affairs@sutter.it
- 1.4. Emergency telephone number
+39 0143 631.1

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols:
 Extremely flammable.
- R Phrases:
R53 May cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
- EC regulation criteria 1272/2008 (CLP)
 Danger, Flam. Aerosol 1, Extremely flammable aerosol.
 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
- Adverse physicochemical, human health and environmental effects:
No other hazards
- 2.2. Label elements
Symbols:

- Danger
- Hazard statements:
H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements:
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.

Safety Data Sheet

TERGI INOX

P273 Avoid release to the environment.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

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

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Product contents:

aliphatic hydrocarbons > 30 %

Special provisions according to Annex XVII of REACH and subsequent amendments:

Restricted to professional users.

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

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

>= 50% - < 60% HYDROCARBONS, C10-12, ISOALKANES

REACH No.: 01-2119471991-29, EC: 923-037-2

Xn; R53-10-65-66

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 4.1/C2 Aquatic Chronic 2 H411

>= 3% - < 5% DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY) PROPANOL

REACH No.: 01-2119450011-60, CAS: 34590-94-8, EC: 252-104-2

substance with a Community workplace exposure limit

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:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Safety Data Sheet

TERGI INOX

CO2 or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

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 all sources of ignition.

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.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

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.

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

Store away from sunlight.

Store in a place with flame proof system.

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.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

HYDROCARBONS, C10-12, ISOALKANES

ACGIH - LTE(8h): 1200 mg/m³, 196 ppm - Notes: RCP (total hydrocarbons)

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

Safety Data Sheet

TERGI INOX

PROPANOL - CAS: 34590-94-8

EU - LTE(8h): 308 mg/m³, 50 ppm - Notes: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)

ACGIH, 100 ppm, 150 ppm - Notes: Skin - Eye and URT irr, CNS impair

DNEL Exposure Limit Values

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Worker Industry: 15 mg/kg - Consumer: 65 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 37.2 mg/m³ - Consumer: 310 mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Industry: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

Target: Marine water - Value: 1.9 mg/l

Target: Air - Value: 190 mg/l - Notes: Intermittent emissions

Target: Microorganisms in sewage treatments - Value: 4168 mg/l

Target: Marine water sediments - Value: 7.02 mg/kg - Notes: d.w.

Target: Soil (agricultural) - Value: 2.74 mg/kg - Notes: d.w.

8.2. Exposure controls

Eye protection:

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

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: Not applicable (aerosol)

Odour: Technical

Odour threshold: Evident

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Flash point: N.A.

Evaporation rate: N.A.

Vapour pressure: N.A.

Relative density: N.A.

Solubility in water: None

Solubility in oil: Total

Partition coefficient (n-octanol/water): > 1000

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Safety Data Sheet

TERGI INOX

Viscosity:	N.A.
Explosive properties:	N.A.
Oxidizing properties:	N.A.
9.2. Other information	
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	Not Relevant

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
 - None
- 10.4. Conditions to avoid
 - Stable under normal conditions.
- 10.5. Incompatible materials
 - Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
 - None.

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:
 - HYDROCARBONS, C10-12, ISOALKANES
 - a) acute toxicity:
 - Test: LC50 - Route: Inhalation - Species: Rat > 5000 mg/m3 - Duration: 8h
 - Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
 - DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)
 - PROPANOL - CAS: 34590-94-8
 - a) acute toxicity:
 - Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
 - Test: LD50 - Route: Skin - Species: Rabbit = 9500 mg/kg
 - Test: LC50 - Route: Inhalation - Species: Rat = 3350 mg/m3 - Duration: 7h

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

- 12.1. Toxicity
 - Adopt good working practices, so that the product is not released into the environment.

Safety Data Sheet

TERGI INOX

May cause long-term adverse effects in the aquatic environment.

DIPROPYLENE GLYCOL MONOMETHYL ETHER; (2-METHOXYMETHYLETHOXY)

PROPANOL - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: EC50 - Species: Daphnia = 1919 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 969 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

12.2. Persistence and degradability

None

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: 1950

IATA-UN Number: 1950

IMDG-UN Number: 1950

14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS

IATA-Shipping Name: AEROSOLS

IMDG-Shipping Name: AEROSOLS

14.3. Transport hazard class(es)

ADR-Class: 2

ADR-Label: 2.1

ADR - Hazard identification number: -

IATA-Class: 2

IATA-Label: 2.1

IMDG-Class: 2

IMDG-Class: 2

14.4. Packing group

ADR-Packing Group: -

IATA-Packing group: -

IMDG-Packing group: -

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

Rail (RID): 2

Safety Data Sheet

TERGI INOX

ADR-Subsidiary risks:	See SP63
ADR-S.P.:	190 327 344 625
ADR-Tunnel Restriction Code:	(E)
IATA-Passenger Aircraft:	203
IATA-Subsidiary risks:	See SP63
IATA-Cargo Aircraft:	203
IATA-S.P.:	A145 A167 A802
IATA-ERG:	10L
IMDG-Page:	87
IMDG-EmS:	F-D , S-U
IMDG-Subsidiary risks:	See SP63
IMDG-MFAG:	ed. 2000
IMDG-Storage category:	-
IMDG-Storage notes:	Protected from sources of heat. For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but "separated from" class 1 except division 1.4. For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2. For WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2.

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. 99/45/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
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)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
None
Where applicable, refer to the following regulatory provisions :
Directive 2003/105/CE ('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

- Full text of phrases referred to in Section 3:
R10 Flammable.
R53 May cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

Safety Data Sheet

TERGI INOX

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

Paragraphs modified from the previous revision:

SECTION 14: Transport 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

Insert further consulted bibliography

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.