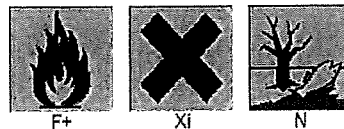


Safety Data Sheet

BRILLINOX



Safety Data Sheet dated 20/10/2014, version 1

In compliance with Regulation (EC) 453/2010

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

1.1. Product identifier Mixture identification:

Trade name: BRILLINOX

Product type: polish and shining compound

1.2. Relevant identified uses of the substance or mixture

and uses advised against Recommended use:

Washing and cleaning products (including solvent based products)

Uses advised against:

Not available

1.3. Details of the supplier of the safety data

sheet Supplier:

TURCO ITALIANA SpA, Via Artigianale, 29 - 25010 Montirone (Brescia) - Italy - tel. ++39-030-267443

fax. ++39-030-2677137 e-mail: info@turco.it

Competent person responsible for the safety data sheet:

info@turco.it

1.4. Emergency telephone number

TURCO ITALIANA SpA, - Italy - tel. ++39-030-267443 - fax. ++39-030-2677137 e-mail: info@turco.it




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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:

-  F+ Extremely flammable
-  Xi Irritant
-  N Dangerous for the environment R

Phrases:

- R12 Extremely flammable.
- R38 Irritating to skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R67 Vapours may cause drowsiness and dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:






F+

Xi

N

Symbols:

-  F+ Extremely flammable
-  Xi Irritant
-  N Dangerous for the environment R

Phrases:

- R12 Extremely flammable.
- R38 Irritating to skin.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R67 Vapours may cause drowsiness and dizziness.

S Phrases:

- S23.1 Do not breathe vapour
- S29 Do not empty into drains.
- S33 Take precautionary measures against static discharges.
- S51 Use only in well-ventilated areas.
- S60 This material and its container must be disposed of as hazardous waste.
- S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Special Provisions:

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50

°C. Do not pierce or burn, even after use.

Avoid direct inhalation of spray with eyes . Keep out of reach of bambini. In case of contact with eyes, rinse immediately with plenty of water and seek a doctor . Without adequate ventilation, formation of explosive vapors.

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

None

2.3. Other hazards vPvB Substances: None - PBT

Substances: None Other Hazards:

No other hazards

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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

15 - 25 % Nafta di petrolio, frazione leggera di hydrotreating

Index number: 649-328-00-1, CAS: 64742-49-0, EC: 265-151-9

Xn; R65

◆ 3.10/1 Asp. Tox. 1 H304

15 - 20% heptane

REACH N°: 01-2119457603-38-XXXX, Index number: 601-008-00-2, CAS: 142-82-5, EC: 205-563-8 F,Xn,Xi,N;
R11-38-50/53-65-67

◆ 2.6/2 Flam. Liq. 2 H225

◆ 3.10/1 Asp. Tox. 1 H304

◆ 3.2/2 Skin Irrit. 2 H315

◆ 3.8/3 STOT SE 3 H336

◆ 4.1/A1 Aquatic Acute 1 H400

◆ 4.1/C1 Aquatic Chronic 1 H410

Declaration of ingredients according to Detergent Regulation 648/2004:
aliphatic hydrocarbons > 30 %

For the complete text of the hazard and risk phrases refer to paragraph 16

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

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

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
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
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Avoid accumulating electrostatic charge.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
- 7.3. Specific end use(s)
For more information see Technical date bulletin
None in particular

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contained substances

heptane - CAS: 142-82-5

ACGIH - LTE mg/m³(8h): 1639.26 - LTE ppm: 400 - STE mg/m³(15min): 2049.08 - STE ppm: 500

Behaviour: Binding - Notes: Pelle - Critical effects: Respiratory irritation, central nervous system.

OEL - LTE mg/m³(8h): 2085 - LTE ppm: 500 - Behaviour: Binding - Notes: Skin

DNEL Exposure Limit Values

Not applicable

PNEC Exposure Limit Values

Not applicable

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:

Use adequate protective respiratory equipment.

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: yellow liquid, under pressure

Odour: solvent

Odour threshold: n.av. mg/m³

pH: na

Melting point / freezing point: n.av. °C Initial boiling point

and boiling range: n.av. °C

Solid/gas flammability: na

Upper/lower flammability or explosive limits: 1,8 - 9.5 % v/v

Vapour density (air=1): > 1

Flash point: < 35 °C Evaporation rate: n.av.

Vapour pressure: n.av. kPa

Relative density: n.av. g/ml Solubility in water: none

Solubility in oil: n.av.

Partition coefficient (n-octanol/water): na

Auto-ignition temperature: n.av. °C

Decomposition temperature: n.av. °C

Viscosity: n.av. mPa.s

Explosive properties: n.av.

Oxidizing properties: none

9.2. Other information

Miscibility: solvents Fat Solubility: n.av.

Conductivity: na

Substance Groups relevant properties: n.av.

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SECTION 10: Stability and reactivity

10.1. Reactivity

It may generate dangerous reactions (See subsections below)

10.2. Chemical stability

It may generate dangerous reactions (See subsections below)

10.3. Possibility of hazardous reactions

It may catch fire on contact with oxidising mineral acids.

10.4. Conditions to avoid

Avoid accumulating electrostatic charge.

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 main substances found in the mixture:

Not applicable

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.V.:

- 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.

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SECTION 12: Ecological information

12.1. Toxicity

Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed.

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

List of substances hazardous to the environment and eco-toxicological information available:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

heptane - CAS: 142-82-5

a) Aquatic acute toxicity:

LC50 Fish = 375 mg/l 96 Tilapia mossambica

EC50 Daphnia = 82.5 mg/l 48 Daphnia magna

IC50 Algae = 1.5 mg/l 72

12.2. Persistence and degradability

Not applicable

Regulation (EC) No. 648/2004 on Detergents and amendments:

Not applicable

12.3. Bioaccumulative potential

heptane - CAS: 142-82-5

Bioaccumulation: Not applicable Test: Kow - Partition coefficient 3 - Duration: Not applicable - Notes:

Not applicable

12.4. Mobility in soil heptane -

CAS: 142-82-5

Mobility in soil: Not mobile - Test: Not applicable Not applicable - Duration: Not applicable - Notes:

Not applicable

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

Product and its residue:

Do not dispose in the canals of wastewater, waterways and soil.

The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned based on the end user's use and the characteristics of the disposal.

Waste code CER/EWC (2000/532/CE), attributable to the product as:

16 05 04* Gases in pressure containers (including halons) containing dangerous substances

H3 A*Flammable easily

Any remaining product should be disposed of with the material.

Containers/contaminated packaging

Containers, even completely empty, must not be disposed in the environment. The packagings which can not be cleaned should be disposed of as the material.

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

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IATA-Un number: 1950

IMDG-Un number: 1950

14.2. UN proper shipping name

ADR-Shipping Name: AEROSOLS, flammable

IATA-Technical name: UN1950, AEROSOLS flammable LIMITED QUANTITY

IMDG-Technical name: UN1950, AEROSOLS flammable LIMITED QUANTITY

14.3. Transport hazard class(es)

ADR-Class: 2 IATA-Class: 2

IMDG-Class: 2

14.4. Packing group

ADR-Packing Group: na IATA-Packing group: na

IMDG-Packing group: na

14.5. Environmental hazards

ADR-Environmentally mark : No

Marine pollutant: No

14.6. Special precautions for user

Rail (RID): UN 1950 AEROSOLS, flammable,2.1

ADR-Label: 2.1

ADR-Classification code: 5F

ADR-Tunnel Restriction Code: D

IATA-Label: 2.1

IATA-Passenger Aircraft: 203; LQ Y203

IATA-Cargo Aircraft: 203

IMDG-Page: n.av. IMDG-EMS: F-

D, S-U IMDG-MFAG: n.av.

ADR: The goods must be transported by vehicles authorized to transport dangerous goods in accordance with the requirements of the current edition of ADR and applicable national regulations. The goods must be carried in original packaging and in any case, in packaging made out of suitable and resistant materials with content and with a dangerous reaction. All the personnel loading and unloading dangerous goods must be trained on the risks associated with the preparation and any procedures to be taken in case of emergency situations.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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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 :

Regulation (EC) nr 648/2004 and CE N. 907/2006 (Detergents).

Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) n° 648/2004 (detergents).

1999/13/EC (VOC directive)

Volatile Organic compounds - VOCs = 36.00 %

Volatile CMR substances = 0.00 %

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

Organic Carbon - C = 0.00

15.2. Chemical safety assessment

Not available

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SECTION 16: Other information

Full text of phrases referred to in Section 3:

R11 Highly flammable.

R38 Irritating to skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R67 Vapours may cause drowsiness and dizziness.

H304 May be fatal if swallowed and enters airways.

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

This document was prepared by a competent person who has received appropriate training.

This MSDS cancels and replaces any preceding release.

Where applicable, refer to the following regulatory provisions :

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments; Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).

Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commission Directive n. 2006/8/CE.

Regulation (EC) nr 648/2004 and CE N. 907/2006 (Detergents).

Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.

Directive 2013/10/EU (aerosols) amending Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) n° 1272/2008 on classification, labelling and packaging of substances and mixtures and subsequent amendments.

Regulation (EC) No 1223/2009 on cosmetic products and subsequent amendments.

Regulation (EU) No 126/2013 amending Annex XVII to Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products and subsequent amendments.

Directives 91/156/CEE, 91/689/CEE, 94/62/CE (Disposal of waste) and subsequent amendments.

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.

regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.

IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

Directive 91/271/EEC and 91/676/CEE (protection of waters) and subsequent amendments.

Main bibliographic sources:

ESIS: European chemical Substances Information System and Environmental hazard classification.

Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)

ACGIH - TLV's for 2010

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

Material Safety Data Sheets of chemicals, REACH database

Material Safety Data Sheet and Technical Data of raw material as by Supplier

The ISS National Inventory of Chemical Substances (INSC)

Abbreviations and acronyms:

TLV-TWA = Threshold Limit Value- time-weighted average, 8-hour workday, 40-hour workweek;

TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling exposure limit;

Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be absorbed through the skin.

Carcinogenicity categories: A1 / A2 = confirmed / suspected human carcinogen; A3 = Animal carcinogen;

A4

/ A5 = Not Classifiable/not suspected as a human carcinogen. ACGIH = American Conference on

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Governmental Industrial Hygienists. OEL =Occupational Exposure Limit. VLPE = Occupational Exposure

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Limit Values. LTE =long term exposure, STE=short term exposure.

n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal concentration (gases) that will kill 50% of the test animals; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition. IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

PBT = Persistent, Bioaccumulative and Toxic substances. ; vPvB = very Persistent and very

Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.

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.

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