



Safety Data Sheet dated 5/2/2015, version 2

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

1.1. Product identifier

Mixture identification:

Trade name: STEELGUARD

Trade code: .290

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

Recommended use:

Paint ; professional use - for the final consumer

Uses advised against:

No specific exclusion are known

1.3. Details of the supplier of the safety data sheet

Company:

ARD - F.LLI RACCANELLO SPA

Prima strada, 13 Zona Industriale Nord

35129 PADOVA - ITALY

Tel. +390498060000 Fax. +39049773749 (only available during office hours)

Competent person responsible for the safety data sheet:

tecnica@ard-raccanello.it

1.4. Emergency telephone number

Tel. +390498060000 Fax. +39049773749 (only available during office hours)

Centro antiveleni – Ospedale Niguarda – Milano - tel. +390266101029

Centro antiveleni – Policlinico A.Gemelli – Roma - tel. +39063054343


Centro antiveleni – Ospedale Cardarelli – Napoli - tel.+390817472870

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:

 N Dangerous for the environment

R Phrases:


R10 Flammable.


R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.


R66 Repeated exposure may cause skin dryness or cracking.


R67 Vapours may cause drowsiness and dizziness.

EC regulation criteria 1272/2008 (CLP)

 Warning, Flam. Liq. 3, Flammable liquid and vapour.

 Warning, STOT SE 3, May cause drowsiness or dizziness.

 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:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

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.

P271 Use only outdoors or in a well-ventilated area.

P370+P378 In case of fire: Use a dry powder or a foam fire extinguisher for extinction.

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

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contents

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hydrocarbons, C9, aromatics

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

The product is not considered as a substance.

Data not available

3.2. Mixtures

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

20% - 25% HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

REACH No.: 01-2119458049-33, Index number: 649-330-00-2, EC: 919-446-0

Xn,N; R10-65-51/53-66-67

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.8/3 STOT SE 3 H336

⚠ 4.1/C2 Aquatic Chronic 2 H411

DECLP*

DECLP (CLP)*

12% - 15% Hydrocarbons, C9, aromatics

REACH No.: 01-2119455851-35, Index number: 649-356-00-4, CAS: 64742-95-6, EC: 918-668-5

Xn,Xi,N; R10-37-51/53-65-66-67

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.8/3 STOT SE 3 H336

⚠ 3.8/3 STOT SE 3 H335

⚠ 4.1/C2 Aquatic Chronic 2 H411

DECLP*

DECLP (CLP)*

42 ppm Butanone; ethyl methyl ketone

REACH No.: 01-2119457290-43, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0

F,Xi; R11-36-66-67

⚠ 2.6/2 Flam. Liq. 2 H225

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.8/3 STOT SE 3 H336

*DECLP: Substance classified accordingly to Note P of the Annex I of directive 67/548/EEC. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1% w/w of benzene.

*DECLP (CLP): Substance classified in accordance with Note P, 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). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex 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:

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

Drowsiness

Dizziness

Nausea

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

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Use dry chemical or foam extinguishers.

Extinguishing media which must not be used for safety reasons:

Direct water jet.

5.2. Special hazards arising from the substance or mixture

May produce toxic fumes of carbon monoxide if burning.

Do not inhale explosion and combustion gases.

5.3. Advice for firefighters

Use suitable breathing apparatus .

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.

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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 taking up: absorbing material, organic, sand.
- 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.
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.
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

Exposure limit(s):

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Index number: 649-330-00-2
AGS - LTE(8h): 290 mg/m³, 50 ppm - STE(15'): 580 mg/m³, 100 ppm
Hydrocarbons, C9, aromatics - CAS: 64742-95-6
DFG - LTE(8h): 100 mg/m³, 19 ppm
Butanone; ethyl methyl ketone - CAS: 78-93-3
OEL EU - LTE(8h): 600 mg/m³, 200 ppm - STE: 900 mg/m³, 300 ppm - Notes: Bold-type: Indicative
Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
TLV ACGIH, 200 ppm, 300 ppm - Notes: BEI - URT irr, CNS and PNS impair

DNEL Values:

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Index number: 649-330-00-2
Worker Professional: 44 mg/kg - Consumer: 26 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 330 mg/m³ - Consumer: 71 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Hydrocarbons, C9, aromatics - CAS: 64742-95-6
Worker Professional: 25 mg/kg - Consumer: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 100 mg/m³ - Consumer: 32 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 11 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Values:

Data not available

8.2. Exposure controls

Eye/ face protection:

Eye glasses with side protection.
For spray application, use basket eye glasses.

Skin protection

a) protection for hands:

NBR (nitrile rubber) gloves.
PVA (Polyvinyl alcohol) gloves.
In case of a prolonged use employ suitable protective gloves.

b) other:

Overall.

Respiratory protection:

Half-face mask DIN EN 140 with filter "A" , brown colour
For spray application, use mask according to EN 405 with filter type PA or universal.

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: Fluid dispersion various colors
Odour: Characteristic: hydrocarbons

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Odour threshold:	Data not available
pH:	Irrelevant
Melting point / freezing point:	Data not available
Initial boiling point and boiling range:	Data not available
Solid/gas flammability:	Data not available
Upper/lower flammability or explosive limits:	Data not available
Vapour density:	Data not available
Flash point:	41°C (ISO 13736)
Evaporation rate:	Data not available
Vapour pressure:	Data not available
Relative density:	1165 - 1255 g/l a 20°C
Solubility in water:	Insoluble
Solubility in oil:	Miscible
Partition coefficient (n-octanol/water):	Data not available
Auto-ignition temperature:	Data not available
Decomposition temperature:	Data not available
Viscosity:	1700 - 6500 cP 20°C
Explosive properties:	Data not available
Oxidizing properties:	Data not available

9.2. Other information

Miscibility:	Data not available
Fat Solubility:	Data not available
Conductivity:	Data not available
Substance Groups relevant properties:	Data not available

Note: The data herein refer to QC when the product was put on the market.

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:

Data not available

Toxicological information of the main substances found in the mixture:

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Index number: 649-330-00-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 15000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3400 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 13.1 mg/L - Duration: 4h

Hydrocarbons, C9, aromatics - CAS: 64742-95-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 6193 mg/m³ - Duration: 4h

Butanone; ethyl methyl ketone - CAS: 78-93-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2737 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit = 6480 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 23.5 mg/L - Duration: 8h

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.

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

HYDROCARBONS C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) - Index number: 649-330-00-2

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- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia > 10 mg/L - Duration h: 48
Endpoint: EC50 - Species: Algae > 4.6 mg/L - Duration h: 72
Endpoint: LC50 - Species: Fish > 10 mg/L - Duration h: 96
Hydrocarbons, C9, aromatics - CAS: 64742-95-6
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 3.2 mg/L - Duration h: 48
Endpoint: LC50 - Species: Fish = 9.2 mg/L - Duration h: 96
Butanone; ethyl methyl ketone - CAS: 78-93-3
- a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae > 100 mg/L - Duration h: 48

- 12.2. Persistence and degradability
Data not available
- 12.3. Bioaccumulative potential
Data not available
- 12.4. Mobility in soil
Data not available
- 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.
Waste should not be disposed of by release to sewers.
Contaminated packaging thinners and cleaning diluents must be landfilled.

SECTION 14: Transport information

- 14.1. UN number
ADR-UN number: UN 1263
- 14.2. UN proper shipping name
ADR-Shipping Name: Paint, environmentally hazardous
- 14.3. Transport hazard class(es)
ADR-Class: 3
- 14.4. Packing group
ADR-Packing Group: III
- 14.5. Environmental hazards
ADR-Environmental Pollutant: Yes
- 14.6. Special precautions for user
ADR-Tunnel Restriction Code: D/E
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Data not available

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/EEC (Classification, packaging and labelling of dangerous preparations).
DIR.2004/42/CE. Subcategory i Type BS limit COV 500 g/l. Contained in product < 500 g/l.
Regulation (EU) No 528/2012 and subsequent amendments.
Dir. 98/24/EC (Risks related to chemical agents at work).
Directive 2000/39/CE (Occupational exposure limit values) and subsequent modifications: 2004/37/CE, 2006/15/CE and 2009/161/UE.
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.
R11 Highly flammable.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 4: First aid measures
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 11: Toxicological information
SECTION 12: Ecological information
SECTION 15: Regulatory information

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

Main bibliographic sources:

The ECHA database on registered substances.
ESIS- European chemical Substances Information System.
eChemPortal- the global portal to Information on Chemical Substance.
GESTIS substance database.
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.

Legend of acronyms and abbreviations used in the safety data sheet:

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.
EC50: Median effective concentration expected to produce a certain effect in 50% of test organisms
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of notified Chemical Substances
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).
IC50: Half maximal inhibitory concentration.
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LTE: Long-term exposure.
NOEC: No Observed Effect Concentration
Numero EC: EINECS and ELINCS Number
OEL:
PBT: Persistent, Bioaccumulative and Toxic substance
PNEC: Predicted No Effect Concentration.
REACH: Regulation (EC) No 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals
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.
SVHC: Substances of Very High Concern
TLV: Threshold Limiting Value.
UE: European Union
vPvB: Very Persistent and Very Bioaccumulative