

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

C10S1 - C10S1

Master item code: C10/S1

Safety Data Sheet date: 28/12/2023, version 1

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

1.1. Product identifier

Trade name: C10S1
SDS code: C10S1
UFI : QPWS-J0NJ-J00E-JGRY

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

Recommended use:

Cleaner
Solvent

1.3. Details of the supplier of the safety data sheet

Manufacturers:

BABBCO

15, rue des Frères Lumière Z.I. des EBISOIRES 78370 PLAISIR (France)

Tel: +33 (0)1.30.80.81.82

www.babbco.fr

Distributors:

BabbCo-Socomore NDT Division

BABBCO

SHERWIN-BABBCO

Tel: +33 (0)1.30.80.81.82

www.babbco.fr

Competent person responsible for the safety data sheet:

e-mail: regulatoryservice@babbco.fr

1.4. Emergency telephone number







France : ORFILA (INRS) +33 (0)1 45 42 59 59

International : CHEMTEL +1-813-248-0585.

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, STOT SE 3, May cause drowsiness or dizziness.
-  Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.
-  Warning, Aquatic Acute 1, Very toxic to aquatic life.
-  Warning, Aquatic Chronic 1, Very toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

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2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H304 May be fatal if swallowed and enters airways.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P273 Avoid release to the environment.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use ... to extinguish.
- P391 Collect spillage.
- P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

heptane; n-heptane

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

None

2.3. Other hazards

None PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 3: Composition/information on ingredients

3.1. Substances

Identification of the substance:

SDS code: C10S1

Qty	Name	Ident. Number	Classification
$\geq 90\%$	heptane; n-heptane	Index number: 601-008-00-2 CAS: 142-82-5 EC: 205-563-8	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

3.2. Mixtures

N.A.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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

In case of Ingestion:

Do NOT induce vomiting.

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

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

Treatment:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire: Use ... to extinguish.

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 Self-Contained Breathing Apparatus (SCBA) with chemical protection suit.

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.

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

For 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 containers before they have been cleaned.

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Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.

Advice on general occupational hygiene:

Wash hands after use

Do not eat or drink while working.

Contaminated clothing should be changed before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store at ambient temperature. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Always keep in a well ventilated place.

Store at ambient temperatures. Keep away from unguarded flame 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

Occupational exposure limit values

heptane; n-heptane - CAS: 142-82-5

- OEL Type: National - TWA(8h): 1668 mg/m³, 400 ppm - STEL: 2085 mg/m³, 500 ppm - Notes: France VLEC - TMP N° 84

- OEL Type: EU - TWA(8h): 2085 mg/m³, 500 ppm

- OEL Type: ACGIH - TWA(8h): 400 ppm - STEL: 500 ppm - Notes: CNS impair, URT irr

- OEL Type: National - TWA(8h): 2100 mg/m³, 500 ppm - Notes: Germany

- OEL Type: National - TWA(8h): 2085 mg/m³, 500 ppm - Notes: United Kingdom

DNEL Exposure Limit Values

heptane; n-heptane - CAS: 142-82-5

Worker Industry: 300 mg/kg - Consumer: 149 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 2085 mg/m³ - Consumer: 447 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 149 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

N.A.

Biological Exposure Index

N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Eye glasses with side protection.

Protection for skin:

Chemical protection clothing.

Protection for hands:

NR (natural rubber, natural latex).

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Respiratory protection:

Mask with filter "A" , brown colour

Mask with filter "P", white colour

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Colourless	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	-90°C	--	--
Boiling point or initial boiling point and boiling range:	96.5-98.5°C	--	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	-4°C	--	--
Auto-ignition temperature:	250°C	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	>01g/l	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	4.66	--	--
Vapour pressure:	50hPa	--	--
Density and/or relative density:	N.A.	--	--
Relative vapour density:	N.A.	--	--

Particle characteristics:

Particle size:	N.A.	--	--
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9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	0.6 mm ² /s	--	--

N.A. = not available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

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None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Flammable materials

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Toxicological information of the substance:

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Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

The product is classified: STOT SE 3 H336

STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

Aspiration hazard

The product is classified: Asp. Tox. 1 H304

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

Other toxicological information:

heptane; n-heptane

Causes skin irritations, prolonged contact: dermatosis by removing the lipo-acid skin coating.

SECTION 12: Ecological information**12.1. Toxicity**

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

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The product is classified: Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

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heptane; n-heptane - CAS: 142-82-5

- a) Aquatic acute toxicity:
 Endpoint: EL50
 - Species: Fish > 1 mg/l - Notes: LL/EL/IL50
 Endpoint: EL50
 - Species: Daphnia > 1 mg/l - Notes: LL/EL/IL50
 Endpoint: EL50
 - Species: Algae > 1 mg/l - Notes: LL/EL/IL50
- b) Aquatic chronic toxicity:
 Endpoint: NOEC - Species: Fish > 1 mg/l
 Endpoint: NOEC - Species: Daphnia > 0.1 mg/l
- c) Bacteria toxicity:
 Endpoint: EL50
 - Species: bacteria > 10 mg/l

12.2. Persistence and degradability

heptane; n-heptane - CAS: 142-82-5

Biodegradability: Biodegradability rate - Duration: 28 days - %: 98

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. Endocrine disrupting properties

No endocrine disruptor substances present in concentration \geq 0.1%

12.7. Other adverse effects

No harmful effects expected.

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.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

N.A.

Additional disposal information:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number:	1206
IATA-UN Number:	1206
IMDG-UN Number:	1206

14.2. UN proper shipping name

ADR-Shipping Name:	HEPTANES
IATA-Shipping Name:	HEPTANES
IMDG-Shipping Name:	HEPTANES

14.3. Transport hazard class(es)

ADR-Class:	3
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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
 IMDG-EmS: F-E , S-D

14.6. Special precautions for user

ADR-Subsidiary hazards: -
 ADR-S.P.: -
 ADR-Transport category (Tunnel restriction code): 2 (D/E)
 IATA-Passenger Aircraft: 353
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 364
 IATA-S.P.: -
 IATA-ERG: 3H
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category B
 IMDG-Segregation: -

14.7. Maritime transport in bulk according to IMO instruments

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. 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)
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)
 Regulation (EU) n. 2016/918 (ATP 8 CLP)
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)
 Regulation (EU) n. 2017/776 (ATP 10 CLP)
 Regulation (EU) n. 2018/669 (ATP 11 CLP)
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 Regulation (EU) n. 2019/521 (ATP 12 CLP)
 Regulation (EU) n. 2020/217 (ATP 14 CLP)
 Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 Regulation (EU) n. 2021/643 (ATP 16 CLP)
 Regulation (EU) n. 2021/849 (ATP 17 CLP)
 Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

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Restriction 3
 Restriction 40
 Restrictions related to the substances contained:
 Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):
 N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):
 N.A.

N.A.

Where applicable, refer to the following regulatory provisions :
 Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
 1999/13/EC (VOC directive)
 Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
 Seveso III category according to Annex 1, part 1
 Product belongs to category: P5c, E1

15.2. Chemical safety assessment
 No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:
 H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 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.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

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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

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product. 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 responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.

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STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.