

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

HEPTANE - SATWIPES/PROSAT/SOCOSAT

Regulation (EU) n. 2020/878

Master item code: **P29104**

Safety Data Sheet date: **5/7/2023, version 12**

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

1.1. Product identifier

Trade name: HEPTANE - SATWIPES/PROSAT/SOCOSAT
SDS code: P29104
References: SATWIPES C86 / SOCOSAT E / SOCOSAT VP80
UFI: 66G3-JVT2-JP21-QGMW

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

Recommended use:

Solvent
Cleaner
Industrial uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturers:

Socomore SASU

Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 50 26

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Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

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, Eye Irrit. 2, Causes serious eye irritation.
-  Warning, STOT SE 3, May cause drowsiness or dizziness.
- 

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Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 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.

P233 Keep container tightly closed.

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection.

P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.

P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

None

Contains

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

heptane; n-heptane

cyclohexane

n-hexane

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

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Vapours may form explosive mixtures with air.

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

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Qty	Name	Ident. Number		Classification
>= 50% - < 60%	HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS	EC:	927-510-4	2.6/2 Flam. Liq. 2 H225 3.2/2 Skin Irrit. 2 H315 3.10/1 Asp. Tox. 1 H304 3.8/3 STOT SE 3 H336 4.1/C2 Aquatic Chronic 2 H411
>= 20% - < 25%	heptane; n-heptane	Index number:	601-008-00-2	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
>= 1% - < 3%	cyclohexane	Index number:	601-017-00-1	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
>= 1% - < 3%	n-hexane	Index number:	601-037-00-0	2.6/2 Flam. Liq. 2 H225 3.7/2 Repr. 2 H361f 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373 3.2/2 Skin Irrit. 2 H315 3.8/3 STOT SE 3 H336 4.1/C2 Aquatic Chronic 2 H411 Specific Concentration Limits: C >= 5%: STOT RE 2 H373

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 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 Ingestion:

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Do not induce vomiting. Obtain a medical examination.

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 a CO2 fire extinguisher 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 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.

See also section 8 for recommended protective equipment.

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Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Store under the same conditions as a combustible solid product.

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

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

- OEL Type: National - TWA: 1000 mg/m³ - STEL: 1500 mg/m³ - Notes: France

- OEL Type: National - TWA: 1600 mg/m³, 395 ppm - Notes: ExxonMobil

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

cyclohexane - CAS: 110-82-7

- OEL Type: National - TWA(8h): 700 mg/m³, 200 ppm - Notes: Germany

- OEL Type: National - TWA(8h): 700 mg/m³, 200 ppm - STEL: 1300 mg/m³, 375 ppm -

Notes: France VLEC - INRS TMP N° 84

- OEL Type: EU - TWA(8h): 700 mg/m³, 200 ppm

- OEL Type: ACGIH - TWA(8h): 100 ppm - Notes: CNS impair

- OEL Type: National - TWA(8h): 700 mg/m³, 200 ppm - STEL(15'): 2800 mg/m³, 800 ppm - Notes: Österreich

- OEL Type: National - TWA(8h): 200 ppm - Notes: Cyprus

- OEL Type: National - TWA(8h): 700 mg/m³ - STEL: 2000 mg/m³ - Notes: Czech Republic

- OEL Type: National - TWA: 50 ppm - Notes: Denmark

- OEL Type: National - TWA(8h): 350 mg/m³, 100 ppm - STEL(15'): 1050 mg/m³, 300 ppm - Notes: United Kingdom

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n-hexane - CAS: 110-54-3

- OEL Type: National - TWA(8h): 72 mg/m³, 20 ppm - Notes: France VLEC - Note R3 - INRS TMP N° 59, 84
- OEL Type: National - TWA(8h): 180 mg/m³, 50 ppm - Notes: Germany
- OEL Type: EU - TWA(8h): 72 mg/m³, 20 ppm
- OEL Type: ACGIH - TWA(8h): 50 ppm - Notes: Skin, BEI - CNS impair, peripheral neuropathy, eye irr
- OEL Type: National - TWA: 72 mg/m³, 20 ppm - STEL(15min (Miw)): 288 mg/m³, 80 ppm - Notes: Österreich
- OEL Type: National - TWA(8h): 72 mg/m³, 20 ppm - Notes: UK

DNEL Exposure Limit Values

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

- Worker Industry: 300 mg/kg b.w./day - Worker Professional: 300 mg/kg b.w./day - Consumer: 149 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
- Worker Industry: 2085 mg/kg b.w./day - Worker Professional: 2085 mg/kg b.w./day - Consumer: 447 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Consumer: 149 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

n-hexane - CAS: 110-54-3

- Worker Industry: 773 mg/kg b.w./day
- Worker Industry: 2035 mg/m³

PNEC Exposure Limit Values

N.A.

Biological Exposure Index

n-hexane - CAS: 110-54-3

- Value: 5 mg/g - medium: Urinary creatinine - Biological Indicator: 2.5-hexanedione in the urine - Sampling Period: End of turn - Source: IBE

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Safety goggles (EN 166)

Protection for skin:

Chemical protection clothing. (type 3 - EN14605)

Chemical protection clothing. (type 5 - EN13982-1)

Chemical protection clothing. (type 6 - EN13034)

Protection for hands:

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Suitable gloves type: NF EN374

PVA (Polyvinyl alcohol).

Respiratory protection:

Use adequate protective respiratory equipment.

Filtering Half-face mask (NF EN 149), class FFP1

Mask with filter "A1" , brown colour (NF EN14387)

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 coated on wipes	--	--
Colour:	Colourless	--	--
Odour:	N.A.	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	90 °C	--	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	-5 °C	--	--
Auto-ignition temperature:	246 - 260 °C / 475 - 500 °F	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	2.6 mg/l @ 25 °C / 77 °F	--	--

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	not miscible		
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	6 kPa (20°C)	--	--
Density and/or relative density:	< 1	--	--
Relative vapour density:	3.52	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 715 g/l

N.A. = 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

Vapours may form explosive mixtures with air.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

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Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 20 mg/l

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

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation > 20 mg/l

cyclohexane - CAS: 110-82-7

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 19.1 mg/l - Duration: 4h

n-hexane - CAS: 110-54-3

Acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 23.3 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2800 mg/kg

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

Acute toxicity;

Skin corrosion/irritation;

Serious eye damage/irritation;

Respiratory or skin sensitisation;

Germ cell mutagenicity;

Carcinogenicity;

Reproductive toxicity;

STOT-single exposure;

STOT-repeated exposure;

Aspiration hazard.

11.2. Information on other hazards

Endocrine disrupting properties:

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

Other toxicological information:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

May cause mild and transient eye discomfort.

May be fatal if swallowed and enter the respiratory tract.

-

heptane; n-heptane

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

-

cyclohexane

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Inhalation:

Avoid inhalation of vapours: may cause lung inflammation.

Respiratory irritation:

Coughing, mucus production and shortness of breath

SECTION 12: Ecological information

12.1. Toxicity

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

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Algae > 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Raphidocelis

Endpoint: LC50 - Species: Daphnia = 3 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish > 13.4 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: DSEO-R (NOELR) - Species: Algae = 6.3 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: EL50

- Species: Daphnia = 1.6 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: DSEO-R (NOELR) - Species: Daphnia = 1 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: DSEO-R (NOELR) - Species: Fish = 1.53 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss

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

cyclohexane - CAS: 110-82-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Aquatic invertebrates > 10 mg/l - Notes: Daphnia magna

Endpoint: EC50 - Species: Aquatic invertebrates < 100 mg/l - Notes: Daphnia magna

Endpoint: EL50

- Species: Daphnia = 3 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LC50 - Species: Fish = 4.5 mg/l - Duration h: 48 - Notes: Fathead Minnow

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Endpoint: LL50

- Species: Fish > 13.4 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EL50

- Species: Algae > 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Aquatic plants = 9.317 mg/kg/d - Duration h: 36 - Notes: Selenastrum capricornutum

Endpoint: DSEO-R (NOELR) - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: EL50

- Species: Aquatic invertebrates = 1.6 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: LOEC

- Species: Aquatic invertebrates = 0.32 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: NOEC - Species: Aquatic invertebrates = 0.17 mg/l - Duration h: 504 - Notes: Daphnia magna

Endpoint: DSEO-R (NOELR) - Species: Daphnia = 1 mg/l - Duration h: 504 - Notes: Daphnia magna

n-hexane - CAS: 110-54-3

a) Aquatic acute toxicity:

Endpoint: EL50

- Species: Daphnia = 3 mg/l

Endpoint: EL50

- Species: Algae > 10 mg/l - Notes: Pseudokirchneriella subcapitata

Endpoint: LL50

- Species: Fish > 13.4 mg/l - Notes: Oncorhynchus mykiss

Endpoint: DSEO-R (NOELR) - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.17 mg/l - Duration h: 504

Endpoint: LOEC

- Species: Daphnia = 0.32 mg/l - Duration h: 504

12.2. Persistence and degradability

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Biodegradability: Readily biodegradable - Test: OECD 301F - Duration: 28 days - %: 98%

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

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

cyclohexane - CAS: 110-82-7

Biodegradability: Biodegradability rate - Duration: 28 days - %: 9

Biodegradability: Manometer Breathing - Duration: 28 days - %: 77

n-hexane - CAS: 110-54-3

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

12.3. Bioaccumulative potential

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Oxidizes rapidly by photochemical reactions in air.

BCF 10 - 25000

cyclohexane - CAS: 110-82-7

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Log Kow 3.44

12.4. Mobility in soil

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS

Floats on the water. Adsorption in soil, low mobility.

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

Deutschland: Wassergefährdung (WGK): WGK 2 (VwVwS vom 27/07/2005, KBws) :

Wassergefährdend.

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):

15 02 02* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

SECTION 14: Transport information



14.1. UN number or ID number

ADR-UN Number: 3175

IATA-UN Number: 3175

IMDG-UN Number: 3175

14.2. UN proper shipping name

ADR-Shipping Name: SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS)

IATA-Shipping Name: SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS)

IMDG-Shipping Name: SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C (HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS)

14.3. Transport hazard class(es)

ADR-Class: 4.1

ADR - Hazard identification number: 40

IATA-Class: 4.1

IATA-Label: 4.1

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IMDG-Class:	4.1
14.4. Packing group	
ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II
14.5. Environmental hazards	
ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Yes
IMDG-EmS:	F-A , S-I
14.6. Special precautions for user	
ADR-Subsidiary hazards:	-
ADR-S.P.:	216 274 601
ADR-Transport category (Tunnel restriction code):	2 (E)
IATA-Passenger Aircraft:	445
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	448
IATA-S.P.:	A46
IATA-ERG:	3L
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category B
IMDG-Segregation:	-
Q.L.: 1K	
Q.E.: E2	
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)

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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)

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:

Restriction 3
Restriction 40

Restrictions related to the substances contained:

Restriction 57
Restriction 75

Listed or in compliance with the following international inventories:

N.A.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

HYDROCARBONS, C7, N-ALKANES, ISOALKANES, CYCLICS (CAS: 64742-49-0)

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

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aliphatic hydrocarbons \geq 30%

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, E2

15.2. Chemical safety assessment

No

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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.

H315 Causes skin irritation.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H361f Suspected of damaging fertility.

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

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
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 2, H225	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 2, H411	Calculation method

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

Important confidentiality : this document contains confidential information that is proprietary to SOCOMORE. Subject to legal provisions determining otherwise, the distribution, republication or re-transmission of this document, in full or in part, must be limited to clearly identified individuals, either because they use the product, or to provide HSE information. Any communication of this document outside of this framework without our written consent is strictly forbidden.

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.

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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.
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.