

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

AP-954

Regulation (EU) n. 2020/878

Safety Data Sheet date: 28/4/2022, version 7

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

1.1. Product identifier

Trade name: AP-954
SDS code: P60210
UFI: 01H2-2HN6-2K5W-SWRM

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

Recommended use:

Deoxidizer
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

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

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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)

- ⚠ Warning, Met. Corr. 1, May be corrosive to metals.
- ⚠ Danger, Skin Corr. 1A, Causes severe skin burns and eye damage.
- ⚠ Danger, Eye Dam. 1, Causes serious eye damage.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

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Danger

Hazard statements:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P280 Wear protective gloves and eye/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER if you feel unwell.

P390 Absorb spillage to prevent material damage.

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

Special Provisions:

None

Contains

phosphoric acid ... %, orthophosphoric acid ... %

ALKYL ALCOHOLS (C10) ETHOXYLATES

1,3-DIETHYL-2-THIOUREA: May produce an allergic reaction.

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 $\geq 0.1\%$

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 the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
$\geq 40\%$ - $< 50\%$	phosphoric acid ... %, orthophosphoric acid ... %	Index number: CAS: EC: REACH No.: 01- 2119485924	3.2/1A Skin Corr. 1A H314 3.3/1 Eye Dam. 1 H318 3.1/4/Oral Acute Tox. 4 H302 2.16/1 Met. Corr. 1 H290

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		-24	Specific Concentration Limits: 10% <= C < 25%: Skin Irrit. 2 H315 10% <= C < 25%: Eye Irrit. 2 H319 C >= 25%: Skin Corr. 1B H314
>= 1% - < 3%	ALKYL ALCOHOLS (C10) ETHOXYLATES	CAS: 68439-46-3 EC: 614-482-0 REACH No.: Exempted---- ----	⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.3/1 Eye Dam. 1 H318
>= 0.5% - < 1%	1,3-DIETHYL-2- THIOUREA	CAS: 105-55-5 EC: 203-308-5 REACH No.: 01- 2119974271 -37	⚠ 3.1/4/Dermal Acute Tox. 4 H312 ⚠ 3.1/4/Oral Acute Tox. 4 H302 ⚠ 3.9/1 STOT RE 1 H372 4.1/C3 Aquatic Chronic 3 H412 ⚠ 3.3/1 Eye Dam. 1 H318 ⚠ 3.4.2/1 Skin Sens. 1 H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

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:

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:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

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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 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.

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

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

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- OEL Type: National - TWA(8h): 1 mg/m³, 0.2 ppm - STEL: 2 mg/m³, 0.5 ppm - Behaviour: Indicative - Notes: France VLEP
 - OEL Type: National - TWA: 1 mg/m³ - STEL: 2 mg/m³ - Notes: Belgium
 - OEL Type: OSHA PEL - TWA: 1 mg/m³ - Notes: USA
 - OEL Type: ACGIH - TWA(8h): 1 mg/m³ - STEL: 3 mg/m³ - Notes: URT, eye and skin irr
 - OEL Type: NIOSH REL - TWA: 1 mg/m³ - STEL: 3 mg/m³ - Notes: USA
 - OEL Type: EU - TWA(8h): 1 mg/m³ - STEL: 2 mg/m³
 - OEL Type: MAK - TWA: 1 mg/m³ - STEL(): 2 mg/m³ - Notes: Osterreich
- 1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5
- OEL Type: National - TWA: 2.5 mg/m³ - Notes: France, INRS

DNEL Exposure Limit Values

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

Worker Industry: 2 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 10.7 mg/l - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 1 mg/m³ - Consumer: 0.36 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Consumer: 0.1 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5

Worker Industry: 0.14 mg/m³ - Consumer: 0.04 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 2.08 mg/kg - Consumer: 1.04 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 0.02 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5

Target: Fresh Water - Value: 0.033 mg/l

Target: Marine water - Value: 0.0033 mg/l

Target: Microorganisms in sewage treatments - Value: 0.2 mg/l

Target: Freshwater sediments - Value: 0.25 mg/kg dw

Target: Marine water sediments - Value: 0.025 mg/kg dw

Target: Soil - Value: 0.03 mg/kg dw

Target: Water (intermittent discharge) - Value: 0.560 mg/l

Biological Exposure Index

N.A.

8.2. Exposure controls

See below, example of PPE to use.

Eye protection:

Safety goggles (EN 166)

Face protection shield.

Use closed fitting safety goggles, don't use eye lens.

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Protection for skin:

Chemical protection clothing. (type 3 - EN14605)

Chemical protection clothing. (type 6 - EN13034)

Boots.

Protective apron.

Protection for hands:

Suitable gloves type: NF EN374

NR (natural rubber, natural latex).

NBR (nitrile rubber).

PVC (polyvinyl chloride).

Butyl rubber (isobutylene-isoprene copolymer)

Respiratory protection:

Not needed for normal use.

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:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	100°C	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	0.75	ISO 4316, ASTM E70	--

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Kinematic viscosity:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.25	ISO 649, ASTM D1298	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 0 g/l

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

None in particular.

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:

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1530 mg/kg

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Test: LD50 - Route: Skin - Species: Rabbit = 2740 mg/kg

Test: LC50 - Route: Inhalation - Species: Rabbit = 1.689 mg/l

Test: NOAEL - Route: Inhalation Vapour - Species: Rabbit = 250 MGKGBWDAY -

Duration: 90 Jours - Source: OECD 422

ALKYL ALCOHOLS (C10) ETHOXYLATES - CAS: 68439-46-3

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1000 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 4000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 0.22 mg/l

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

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

1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5

Acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse = 930 mg/kg

Test: LD50 - Route: Skin - Species: Rat = 2.000 mg/kg - Notes: OCDE (402)

STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat < 6.25 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:

phosphoric acid ... %, orthophosphoric acid ... %

(nose and throat). Vapours can cause respiratory tract irritation.

(spraying or aerosol)

Projections produce severe burns, the severity of which depends on the time of contact with the product.

-

ALKYL ALCOHOLS (C10) ETHOXYLATES

Eye contact:

Severe eye irritation.

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Ingestion:

Harmful if swallowed

Stomach pain

Inhalation - May irritate respiratory tracts.

Skin contact:

Pain or irritation, redness

Eye contact:

Pain or irritation, tearing, redness

-

1,3-DIETHYL-2-THIOUREA

Eye contact:

Risk of serious, severely irritating damage to the eyes.

In vitro Mammalian Cell Gene Mutation Test: Active

SECTION 12: Ecological information

12.1. Toxicity

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

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish approx. 3.2 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: Daphnia magna OECD 202

Endpoint: ErC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus OECD 201

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae = 100 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus OECD 201

ALKYL ALCOHOLS (C10) ETHOXYLATES - CAS: 68439-46-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 11 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia = 5.3 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae > 8.9 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 1.47 mg/l - Duration h: 672 - Notes: Vairon à grosse tête

Endpoint: EC10 - Species: Daphnia = 2.579 mg/l - Duration h: 504 - Notes: Daphnia magna

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 10 mg/l - Duration h: 72 - Notes: Bacille Pseudomonas putida):

d) Terrestrial toxicity:

Endpoint: LC50 > 1000 mg/kg - Duration h: 336 - Notes: Eisenia fetida

e) Plant toxicity:

Endpoint: NOEC > 100 mg/kg - Duration h: 456

1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5

a) Aquatic acute toxicity:

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Endpoint: EC50 - Species: Daphnia = 56 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: LC50 - Species: Fish = 910 mg/l - Duration h: 96 - Notes: Brachydanio rerio
Endpoint: EC50 - Species: Algae = 310 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 31.3 mg/l - Duration h: 1440 - Notes: Oncorhynchus mykiss
Endpoint: NOEC - Species: Algae = 73 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Endpoint: NOEC - Species: bacteria = 2 mg/l - Duration h: 672 - Notes: Boue activée

12.2. Persistence and degradability

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

Biodegradability: Non-readily biodegradable

ALKYL ALCOHOLS (C10) ETHOXYLATES - CAS: 68439-46-3

Biodegradability: Dissolved organic carbon - %: 80 - Notes: Method: OCDE - 301C

Biodegradability: Porous crucible, Active substance bismut - %: 97

Biodegradability: Manometer Breathing - Test: EU 301F - Duration: 28 days - %: 81.4

1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5

Biodegradability: Biodegradability rate - Duration: 28 days - %: 3

12.3. Bioaccumulative potential

phosphoric acid ... %, orthophosphoric acid ... % - CAS: 7664-38-2

Not bioaccumulative

1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5

Log Kow 0.57

12.4. Mobility in soil

1,3-DIETHYL-2-THIOUREA - CAS: 105-55-5

Surface tension 76,1 mN/m - Notes: mg/l 21,5 °C /1.000 mg/l (OCDE, 115)

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):

06 01 06* other acids

SECTION 14: Transport information



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14.1. UN number or ID number

ADR-UN Number: 3264

IATA-UN Number: 3264

IMDG-UN Number: 3264

14.2. UN proper shipping name

ADR-Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ...%, orthophosphoric acid ...%, 1,3-DIETHYL-2-THIOUREA)

IATA-Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ...%, orthophosphoric acid ...%, 1,3-DIETHYL-2-THIOUREA)

IMDG-Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ...%, orthophosphoric acid ...%, 1,3-DIETHYL-2-THIOUREA)

14.3. Transport hazard class(es)

ADR-Class: 8

ADR - Hazard identification number: 80

IATA-Class: 8

IATA-Label: 8

IMDG-Class: 8

14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

IMDG-EmS: F-A , S-B

14.6. Special precautions for user

ADR-Subsidiary hazards: -

ADR-S.P.: 274

ADR-Transport category (Tunnel restriction code): 3 (E)

IATA-Passenger Aircraft: 852

IATA-Subsidiary hazards: -

IATA-Cargo Aircraft: 856

IATA-S.P.: A3 A803

IATA-ERG: 8L

IMDG-Subsidiary hazards: -

IMDG-Stowage and handling: Category A SW2

IMDG-Segregation: -

Q.L.: 5L

Q.E.: E1

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

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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)

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

Restrictions related to the substances contained:

Restriction 75

Listed or in compliance with the following international inventories:

N.A.

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.

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)

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Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
None

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:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H290 May be corrosive to metals.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H312 Harmful in contact with skin.

H372 Causes damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1

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Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3
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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]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Met. Corr. 1, H290	On basis of test data
Skin Corr. 1A, H314	Calculation method
Eye Dam. 1, H318	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

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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

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

AP-954

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.
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.