

Safety Data Sheet

D3 TAR 500ML 6PZ



Safety Data Sheet dated 10/6/2021, version 4

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

1.1. Product identifier

Mixture identification:

Trade name: D3 TAR 500ML 6PZ

Trade code: 79293

UFI: ST70-00FG-E00D-VF9Y

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

Recommended use:

Detergent

1.3. Details of the supplier of the safety data sheet

Company:

FRA.BER S.R.L.

Via M.Merisi 40-46

24051 Antegnate (BG)

Italy

Tel.+390363905287

Competent person responsible for the safety data sheet:

info@fra-ber.it

1.4. Emergency telephone number

Emergency telephone number of the company and/or of an authorised advisory centre:

Centro Antiveneni - Ospedale di Niguarda - Milano - phone: +390266101029

Fra-Ber s.r.l. via M.Merisi 40-46, 24051 Antegnate (BG) - Italy, phone: +390363905287

info@fra-ber.it

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Warning, Aquatic Acute 1, Very toxic to aquatic life.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H400 Very toxic to aquatic life.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P273 Avoid release to the environment.

P391 Collect spillage.

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

Special Provisions:

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None

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

None

Product contents:

Non-ionic surfactants

< 5 %

The product also contains: Perfumes

Allergens:

Preservatives:

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	Additional info
$\geq 80\% - < 90\%$	9-Dodecenoic acid, methyl ester	CAS: 39202-17-0 EC: 700-618-7 REACH No.: 01-21199875 86-15	 4.1/A1 Aquatic Acute 1 H400	REACH n° : Polymer: N.A.
$\geq 2\% - < 5\%$	2-(2-butossietosi)etanolo	CAS: 112-34-5 EC: 203-961-6 REACH No.: 01-21194751 04-44	 3.3/2 Eye Irrit. 2 H319	REACH n° : Polymer: N.A.
$\geq 2\% - < 5\%$	CAPRYLETH-4	CAS: 27252-75-1	 3.3/2 Eye Irrit. 2 H319	REACH n° : Polymer: Yes

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:

In case of contact with eyes, 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

None

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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Water.

Carbon dioxide (CO₂).

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 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

2-(2-butossietossi)etanolo - CAS: 112-34-5

EU - TWA(8h): 67.5 mg/m³, 10 ppm - STEL: 101.2 mg/m³, 15 ppm

ACGIH - TWA(8h): 10 ppm - Notes: (IFV) - Hematologic, liver and kidney eff

DNEL Exposure Limit Values

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2-(2-butossietossi)etanolo - CAS: 112-34-5

Consumer: 40.5 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)

Consumer: 60.7 03 - Exposure: Human Inhalation - Frequency: Short Term (acute)

Consumer: 50 04 - Exposure: Human Dermal - Frequency: Long Term (repeated)

Consumer: 40.5 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)

Consumer: 5 04 - Exposure: Human Oral - Frequency: Long Term (repeated)

Worker Industry: 101.2 03 - Exposure: Human Inhalation - Frequency: Short Term (acute)

Worker Industry: 67.5 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)

Worker Industry: 83 04 - Exposure: Human Dermal - Frequency: Long Term (repeated)

Worker Industry: 67.5 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)

PNEC Exposure Limit Values

9-Dodecenoic acid, methyl ester - CAS: 39202-17-0

Target: Fresh Water - Value: 0.001 mg/l

Target: Marine water - Value: 0 mg/l

Target: Freshwater sediments - Value: 0.429 04

Target: Marine water sediments - Value: 0.043 04

Target: Soil - Value: 0.085 04

Target: Purification plant - Value: 10 mg/l

2-(2-butossietossi)etanolo - CAS: 112-34-5

Target: Fresh Water - Value: 1.1 mg/l

Target: Marine water - Value: 0.11 mg/l

Target: Freshwater sediments - Value: 4.4 04

Target: Marine water sediments - Value: 0.44 04

Target: Soil (agricultural) - Value: 0.32 04

Target: Secondary poisoning - Value: 56 mg/kg

Target: Purification plant - Value: 200 mg/l

8.2. Exposure controls

Eye protection:

Eye glasses.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

nitrile gloves with 0.38 mm thickness with chemical protection J,K,L, according EN 374-3:2003

Respiratory protection:

Not needed in well-ventilated areas

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Transparent	--	--
Odour:	scented	--	--
Melting point/freezing point:	N.A.	--	--

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Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>100 °C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	7 ± 0.5	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:	unsoluble	--	--
Solubility in oil:	soluble	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.89 g/cm ³ +/-0,01 g/cm ³	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Storage temperature:	5°C < x < 20°C	--	--

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:
 - D3 TAR 500ML 6PZ
 - a) acute toxicity
 - Not classified
 - Based on available data, the classification criteria are not met
 - b) skin corrosion/irritation
 - Not classified
 - Based on available data, the classification criteria are not met

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- c) serious eye damage/irritation
Not classified
Based on available data, the classification criteria are not met
- d) respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
- e) germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
- f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
- g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
- h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
- i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
- j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

9-Dodecenoic acid, methyl ester - CAS: 39202-17-0

a:

Test: LD50 - Route: Oral - Species: Rat > 2000 01

Test: LD50 - Route: Skin - Species: Rabbit > 2000 01

2-(2-butossietossi)etanolo - CAS: 112-34-5

a:

Test: LD50 - Route: Oral - Species: Rat 2410 01 - Source: OCSE 401

Test: LD50 - Route: Skin - Species: Rabbit 2764 01 - Source: OCSE 402

11.2. Information on other hazards

Endocrine disrupting properties:

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

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

2-(2-butossietossi)etanolo - CAS: 112-34-5

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Fish = 1300 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: LC50 - Species: Algae > 100 mg/l - Duration h: 96

CAPRYLETH-4 - CAS: 27252-75-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: CESIO

Endpoint: NOEC - Species: Fish > 1 mg/l

Endpoint: LC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: CESIO

12.2. Persistence and degradability

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- None
CAPRYLETH-4 - CAS: 27252-75-1
Biodegradability: Readily biodegradable - Test: BIODG08 frab - Duration: 28D - %: 60
- 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
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.

SECTION 14: Transport information



- 14.1. UN number or ID number
ADR-UN Number: 3082
IATA-UN Number: 3082
IMDG-UN Number: 3082
- 14.2. UN proper shipping name
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (9-Dodecenoic acid, methyl ester, TRANS-ROSE KETONE-2)
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (9-Dodecenoic acid, methyl ester, TRANS-ROSE KETONE-2)
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (9-Dodecenoic acid, methyl ester, TRANS-ROSE KETONE-2)
- 14.3. Transport hazard class(es)
ADR-Class: 9
ADR - Hazard identification number: 90
IATA-Class: 9
IATA-Label: 9
IMDG-Class: 9
- 14.4. Packing group
ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards
ADR-Environmental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant

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Most important toxic component: 9-Dodecenoic acid, methyl ester

IMDG-EmS:	F-A	,	S-F
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- 14.6. Special precautions for user
- ADR-Subsidiary hazards: -
 - ADR-S.P.: 274 335 375 601
 - ADR-Transport category (Tunnel restriction code): 3 (-)
 - IATA-Passenger Aircraft: 964
 - IATA-Subsidiary hazards: -
 - IATA-Cargo Aircraft: 964
 - IATA-S.P.: A97 A158 A197
 - IATA-ERG: 9L
 - IMDG-Subsidiary hazards: -
 - IMDG-Stowage and handling: Category A
 - IMDG-Segregation: -
- 14.7. Maritime transport in bulk according to IMO instruments
- No

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. 2020/878
 - 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)
- 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 55
- Volatile Organic compounds - VOCs = 8.91 %
- Volatile CMR substances = 0.00 %
- Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
- Organic Carbon - C = 0.00
- Where applicable, refer to the following regulatory provisions :
- Directive 2012/18/EU (Seveso III)
 - Regulation (EC) nr 648/2004 (detergents).
 - 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
Product belongs to category: E1

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:
H400 Very toxic to aquatic life.
H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1

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
Aquatic Acute 1, H400	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

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.

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"

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	(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.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.