

TORNADE AD COCO 2D

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

1.1 - Product identifier

Trade name/designation TORNADE AD COCO 2D

Chemical name

Product-type Mixture

Product code 20363

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

Relevant identified uses

- Concentrated product
- Detergent
- Descaler
- Professional use of cleaners for cleaning and maintaining floors and surfaces

Uses advised against

- Concentrated product, do not use pure.
- Do not use for private purposes (household).

1.3 - Details of the supplier of the safety data sheet

IPC

10 Quai Malbert
29200 BREST France
Tél : +33(0)2.98.43.45.44
Fax : +33 (0)2.98.44.22.53
ipc@groupe-ipc.com

1.4 - Emergency telephone number

- National Poisons Information Service of England: <http://npis.org> -
NHS 111: dial 111 United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Met. Corr. 1	Corrosive to metals - Category 1
Skin Corr. 1	Skin corrosion, Category 1
Eye Dam. 1	Serious eye damage, Category 1

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: phosphoric acid ... %, orthophosphoric acid ... % (CAS No.: 7664-38-2) | Decan-1-ol, ethoxylated (CAS No.: 26183-52-8) | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts (CAS No.: 147170-44-3)

Signal word : Danger

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Hazard pictograms



Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

Precautionary statements

P260	Do not breathe spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/a doctor.

EUH-phrases : None

Regulation (EC) No. 648/2004 (Detergents regulation)

Contains:

- less than 5%: amphoteric surfactants
- 5% or more but less than 15%: nonionic surfactants
- perfumes

2.3 - Other hazards

<u>PBT-substance.</u>	- No substance present at more than 0.1% meets the criteria for classification as a PBT substance according to annex XIII of REACH regulation (EU) n ° 1907/2006
<u>vPvB-substance.</u>	- No substance present at more than 0.1% meets the criteria for classification as a vPvB substance in accordance with Annex XIII of REACH Regulation (EU) No. 1907/2006
<u>Other hazards which do not result in classification</u>	- No substance present at more than 0.1% is known to have endocrine disrupting properties in accordance with Regulation (EU) 2017/2100

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

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Chemical name	No	%	Class(es)	Specific concentration limit
phosphoric acid ... %, orthophosphoric acid ... % INCI: PHOSPHORIC ACID	CAS No. : 7664-38-2 Index No. : 015-011-00-6 EC No. : 231-633-2 REACH No. : 01-2119485924-24-XXXX	5 - 15	Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318 Met. Corr. 1 - H290 Skin Corr. 1B - H314	Eye Irrit. 2 - H319 : 10<=%<25 Skin Corr. 1B - H314 : 25<=%<100 Skin Irrit. 2 - H315 : 10<=%<25
Decan-1-ol, ethoxylated INCI: DECETH-8	CAS No. : 26183-52-8 Index No. : EC No. : 500-046-6 REACH No. : -XXXX	5 - 15	Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318	
(2-methoxymethylethoxy)prop anol INCI: PPG-2 METHYL ETHER	CAS No. : 34590-94-8 Index No. : EC No. : 252-104-2 REACH No. : 01-2119450011-60-XXXX	5 - 15	Not Classified	
sulfamic acid	CAS No. : 5329-14-6 Index No. : 016-026-00-0 EC No. : 226-218-8	1 - 5	Aquatic Chronic 3 - H412 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts INCI: COCAMIDOPROPYL BETAINE	CAS No. : 147170-44-3 Index No. : EC No. : REACH No. : 01-2119489410-39	1 - 3	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318	Eye Dam. 1 - H318 : 10<=%<100 Eye Irrit. 2 - H319 : 4<=%<=10

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- 1 - In case of massive inhalation and symptoms, transport the victim outside and keep him/her at rest in a position where he/she can breathe comfortably
- 2 - Immediately call a doctor or the Poison Control Centre, specifying the product
- 3 - Ensure good air circulation. Loosen anything that might be tight, such as a collar, tie, belt, etc.
- 4 - In case of fainting, place the person in the lateral safety position (PLS)
- 5 - Give artificial respiration ONLY if the subject is not breathing (mouth to mouth)
- 6 - Carry out cardiopulmonary resuscitation (cardiac massage) if there is both respiratory arrest and absence of a pulse

Following skin contact

- 1 - Remove the container and stop the flow of the causative agent
- 2 - Remove soiled or impregnated clothing immediately.
- 3 - Rinse thoroughly with water.
- 4 - If in doubt or if there are symptoms, seek medical advice or contact the poison control center immediately.
- 5 - Indicative rinsing duration:
 - - T > 30 min.: corrosive
 - - T > 15 to 20 min.: moderate to severe irritation and acute toxicity
 - - T > 5 min.: non-irritating or slightly irritating.

After eye contact

- 1 - Rinse the eye with plenty of warm water or physiological serum for at least 15 minutes.

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- 2- Refer the subject to an ophthalmologist, especially if there is redness, pain or visual discomfort.
- 3 - Rinsing instructions: remove contact lenses if the victim is wearing them and if they can be easily removed, continue rinsing. Always run the water from the nose to the ear. Avoid splashing into the other eye. Hold the eye open with your fingers. Move the eye in all directions while rinsing.
- 4 - Once the rinsing is done, cover the eye with a compress while waiting for help.

After ingestion

- 1 - NEVER make the victim VOMITING or DRINKING
- 2 - Immediately call a doctor or the Poison Control Centre, specifying the product.
- 3 - Take the victim outside and keep him/her at rest in a position where he/she can breathe comfortably.
- 4 - If vomiting occurs, hold the head down to prevent vomit from entering the lungs.
- 5- In the event of ingestion, if the quantity is small (no more than one sip), rinse your mouth with water and consult a doctor.
- 6- In geval van accidentele inname, bel een arts of het antigifcentrum dat het product specificeert om de wenselijkheid van controle en daaropvolgende behandeling in een ziekenhuisomgeving te beoordelen, indien nodig.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation

- The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11.

Symptoms and effects - Following skin contact

- The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11.

Symptoms and effects - After eye contact

- The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11.

Symptoms and effects - After ingestion

- The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11.

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

- Consult your doctor and show him this safety data sheet
- Seek advice from a poison control center or toxicologist.
- Keep the packaging and/or instructions available

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- 1 - Class B lights:
- 2 - Powder extinguisher (dry multipurpose ABC and BC powder)
- 3 - CO2 fire extinguisher
- 4 - Water with AFFF (Floating Film Forming Agent) additive
- 5 - Foam
- 6 - Sand
- 7 - Fire blanket

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Unsuitable extinguishing media

- 1 - Water spray extinguishers without additives, except for flammable fires with a flashpoint above 100°C
- 2 - Water jet spray
- 3 - Water should not be used on liquids less dense than water

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- A fire will often produce thick black smoke. Exposure to decomposition products can cause health risks

Hazardous decomposition products

- Do not breathe fumes. Combustion products may contain carbon monoxide, carbon dioxide (CO₂), nitrogen oxide (NO), nitrogen dioxide (NO₂)

5.3 - Advice for firefighters

- * Main fire-fighting measures:
- 1- The intervention must be carried out wearing boots, gloves, eye and face protection, a self-contained breathing apparatus and a suit adapted to the chemical substances
- 2- Remove the fuel.
- 3- Prevent the containers from heating up by using water curtains or a heat shield.
- 4- Isolate the impacted area.
- 5- Adapting extinguishing measures to the surrounding environment
- 6- Do not allow extinguishing water to enter drains and waterways, treat as hazardous waste.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- *Procedure in the event of a spill
- 1- Alert / evacuate people in the immediate area.
- 2- Cut off the source of the spill and sources of ignition and heat
- 3- Schließen Sie die Türen oder sperren Sie den Bereich mit Klebeband ab.
- 4- Put on the appropriate personal protective equipment (see section 8).
- 5 - Avoid breathing the vapours and wear an appropriate filter mask
- 6- Contain and cover the spill with suitable absorbent granules (see 6.3).
- 7- Ventilate to the outside.
- 8- Collect the absorbent granules and dispose of them as hazardous waste (see heading 13). Clean the soiled area thoroughly with water.
- 9- If the spill is not under control, call the emergency services on site and prepare the Safety Data Sheets (SDS) to be given to the response team. If there are signs of seriousness, evacuate the houses. Report the accident to the DREAL.

For emergency responders

- Rescuers are equipped with appropriate personal protective equipment (see section 8).

6.2 - Environmental precautions

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- 1 - Avoid release to the environment.
- 2 - Prevent run-off into waterways, sewers, basements or enclosed spaces
- 3 - Contain and collect spills with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth in drums for waste disposal
- 4 - Waste from cleaning up the spill should be treated as hazardous waste.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- * Set up a protective enclosure: use socks, absorbent sheets and pads for minor spills and booms, absorbent rolls for major spills.
- * Contain and collect spills with non-combustible absorbent materials in drums for waste disposal.
- * Sewer covers: use blanket covers, unless the building is on retention and the sewers are connected to retention tanks.

Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

6.4 - Reference to other sections

- * Refer to Section 13 for the management of contaminated absorbents
- * See section 4 for first aid measures
- * See section 5 for fire-fighting measures
- * See section 8 for personal protective equipment

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- It is recommended to design all work processes always so that the following is excluded: Eye contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact
- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols

Advices on general occupational hygiene

- * Read the label or leaflet before use and follow the specific instructions for each use.
- * Avoid contact with skin, eyes and clothing.
- * Do not eat, drink, smoke or snuff during use.
- * Wash your hands after each use
- * Wash soiled clothing before reuse.
- * The work clothes used must not be worn outside the work area.

7.2 - Conditions for safe storage, including any incompatibilities

- * Keep container tightly closed and in a well-ventilated place.
- * Store only in original packaging
- * Storage should be separate from bases.
- * Prohibit access to unauthorized persons.
- Storage temperature : 5-40°C
- * Shelf life: 48 months

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7.3 - Specific end use(s)

- For more information on the use of the product, see the technical data sheet and the label.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

IOELV TWA mg/m ³ (UE)	1 mg/m ³
IOELV STEL mg/m ³ (UE)	2 mg/m ³

(2-methoxymethylethoxy)propanol (34590-94-8)

IOELV TWA mg/m ³ (UE)	308 mg/m ³ Skin
IOELV TWA ppm (UE)	50 ppm Skin

DNEL / PNEC

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

Type	Value	User	Effect
DNEL long-term oral (repeated)	0,1 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	2 mg/m ³	Workers	Local
DNEL long-term inhalative	10,7 mg/m ³	Workers	Systemic
DNEL long-term inhalative	4,57 mg/m ³	Consumers	Systemic
DNEL long-term inhalative	1 mg/m ³	Workers	Local
DNEL long-term inhalative	0,36 mg/m ³	Consumers	Local

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts (147170-44-3)

Type	Value	User	Effect
DNEL long-term oral (repeated)	7,5 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	44 mg/m ³	Workers	Systemic
DNEL long-term dermal	12,5 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	7,5 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,0135 mg/l		
PNEC aquatic, marine water	0,00135 mg/l		
PNEC sediment, freshwater	1 mg/kg		
PNEC sediment, marine water	0,1 mg/kg		
PNEC soil	0,8 mg/kg		
PNEC sewage treatment plant (STP)	3000 mg/l		

sulfamic acid (5329-14-6)

Type	Value	User	Effect
DNEL long-term oral (repeated)	5 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	70,5 mg/m ³	Workers	Systemic
DNEL long-term inhalative	17,4 mg/m ³	Consumers	Systemic
DNEL long-term dermal	10 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	5 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	1,8 mg/l		
PNEC aquatic, marine water	0,18 mg/l		
PNEC aquatic, intermittent release	0,48 mg/l		
PNEC sediment, freshwater	8,36 mg/kg		
PNEC sediment, marine water	0,84 mg/kg		
PNEC soil	5 mg/kg		
PNEC sewage treatment plant (STP)	20 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- * Assurer une ventilation suffisante du lieu de stockage.

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- * Maintain premises and workstations in perfect clean condition, clean them frequently
- * Store personal protective equipment in a clean place away from the work area.
- * Use clean and properly maintained personal protective equipment. Check condition before use.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection



- Tested protective gloves must be worn.



- Protective clothing



- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- It is advisable to use protective gloves against chemical risks (Standard NF EN 374-1: 2016)
- Barrier creams are not substitutes for body protection.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Clear liquid
<u>Colour</u>	bluish-purple	<u>Odour</u>	Coconut
Odour threshold	No data available		
pH	0,5 < V < 1,5 pH-meter Mettler Toledo Five Easy, 20°C		
Melting point	No data available		
Freezing point	No data available		
Boiling point	No data available		
Flash point	> 62 °C Reference: p17- SYMPOSIUM SERIES No. 150 - FLASH POINTS OF AQUEOUS SOLUTIONS OF FLAMMABLE SOLVENTS - G.R. Astbury, J. Bugand-Bugandet, E. Grollet and K.M. Stell Avecia Limited, P.O. Box 42, Blackley, Manchester M9 8ZS Current address: Health & Safety Laboratory, Harpur Hill, Buxton, Derbyshire, SK17 9JN. Albi School of Mines, Campus Jarlard, 81013 Albi, Cedex 09, France		

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Evaporation rate	No data available
flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1,07 < V < 1,09 @ 20 °C
Density	No data available
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	5,94 % Calculated
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Keep only in the original container in a cool, well-ventilated place away from alkalis.

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- Do not mix with other products

10.5 - Incompatible materials

- Primers

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation gas (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

Toxicity : Substances

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)	
LD50 oral (rat)	300 mg/kg < V < 2000 mg/kg
LD50 dermal (rabbit)	2740 mg/kg Fiche toxicologique INRS N° 37
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts (147170-44-3)	
LD50 oral (rat)	> 5000 mg/kg OCDE 401
LD50 dermal (rat)	> 2000 mg/kg OCDE 402
sulfamic acid (5329-14-6)	
LD50 oral (rat)	> 1450 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg
Decan-1-ol, ethoxylated (26183-52-8)	
LD50 oral (rat)	< 2000 mg/kg

Skin corrosion/irritation - Skin corrosion, Category 1 - Causes severe skin burns and eye damage.

Serious eye damage/eye irritation - Serious eye damage, Category 1

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

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STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

- Interaction effects of substances in the mixture: No data on interaction effects of
- The substance/mixture does not contain ingredients considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or more.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)	
EC50 48 hr crustacea	> 100 mg/l (Daphnia magna) (Grande daphnie) Essai en statique; OCDE 202
LC50 96 hr fish	3 mg/l < V < 3,25 mg/l (Lepomis macrochirus)
ErC50 algae	> 100 mg/l (Desmodesmus subspicatus(algues vertes)) 72 h Essai en statique; Fin: Taux de croissance; OCDE 201
NOEC chronic algae	100 mg/l (Desmodesmus subspicatus(algues vertes)) 72 h Essai en statique; Fin: Taux de croissance; OCDE 201
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18 and C18-unsatd. acyl) derivs., inner salts (147170-44-3)	
EC50 48 hr crustacea	1 mg/l < V < 10 mg/l Daphnia magna (Ligne dir. 202 de l'OCDE, 1ère partie)

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LC50 96 hr fish	1 mg/l < V < 10 mg/l Pimephales promelas (Screening (sur le modèle de OECD 203)
ErC50 algae	1 mg/l < V < 10 mg/l Desmodesmus subspicatus (Ligne directrice 201 de l'OCDE)
NOEC chronic fish	0,1 mg/l < V < 1 mg/l Oncorhynchus mykiss (Essai n°210 de l'OCDE)
NOEC chronic crustacea	0,1 mg/l < V < 1 mg/l Daphnia magna (Ligne directrice 211 de l'OCDE)
sulfamic acid (5329-14-6)	
EC50 48 hr crustacea	71,6 mg/l
LC50 96 hr fish	70,3 mg/l
ErC50 algae	48 mg/l
NOEC chronic fish	0,025 mg/l Jordanella floridae
NOEC chronic crustacea	0,15 mg/l Tantytarsus dissimilis
Decan-1-ol, ethoxylated (26183-52-8)	
EC50 48 hr crustacea	15 mg/l (Daphnia magna) OCDE 202
ErC50 algae	19,6 mg/l OCDE 201

- The mixture does not meet the criteria for acute aquatic toxicity according to Annex I of Regulation (EC) No. 1272/2008 [CLP].

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- No substance present at more than 0.1% meets the criteria for classification as a PBT substance according to annex XIII of REACH regulation (EU) n ° 1907/2006

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- No substance present at more than 0.1% meets the criteria for classification as a vPvB substance in accordance with Annex XIII of REACH Regulation (EU) No. 1907/2006

12.6 - Endocrine disrupting properties

- This mixture does not contain substances with endocrine disrupting properties for non-target organisms, as they do not meet the criteria set out in part B of Regulation (EU) 2017/2100

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- 1- Appropriate waste management of the mixture and/or its container must be determined in accordance with the provisions of Directive 2008/98/EC.
- 2- Waste management is done without endangering human health and without harming the environment, and in particular without creating a risk for water, air, soil, fauna or flora.
- 3- Recycle or eliminate in accordance with the legislation in force, preferably by a collector or an approved company.
- 4- Do not contaminate the ground or water with waste, do not dispose of it in the environment.
- 5- Soiled packaging: Completely empty the container. Keep the label on the container. Give to a certified disposal contractor
- Waste code for the product: 16 03 05*
- Waste code for packaging: 15 01 10* (Packaging containing residues of or contaminated by dangerous substances)

Sewage disposal

- Do not discharge into drains or waterways

Special precautions for waste treatment

- * Respect the method of treatment taking into account the "Waste Hierarchy": (Waste Framework Directive)
- 1. Prevention (reducing consumption, extending life, reducing the harmful effects of the waste or the content of harmful substances)
- 2. Preparation for re-use (checking, cleaning or repairing for recovery of waste for re-use without pre-treatment)
- 3. Recycling (reprocessing of waste into products, materials or substances for their original function or for other purposes)
- 4. Other recovery, including energy recovery (making the waste replace materials that would have been used, or fuels for energy recovery)
- 5. Disposal (any operation that is not recovery)

Community or national or regional provisions

- For waste disposal, contact the relevant authorised waste disposal service.

SECTION 14: Transport information

14.1 - UN number or ID number

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<u>UN number (ADR)</u>	:	UN3264
<u>UN number (RID)</u>	:	UN3264
<u>UN number (ADN)</u>	:	UN3264
<u>UN number (IMDG)</u>	:	UN3264
<u>UN number (IATA)</u>	:	UN3264

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %, sulfamic acid)
<u>UN proper shipping name (RID)</u>	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %, sulfamic acid)
<u>UN proper shipping name (ADN)</u>	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %, sulfamic acid)
<u>UN proper shipping name (IMDG)</u>	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %, sulfamic acid)
<u>UN proper shipping name (IATA)</u>	:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %, sulfamic acid)

14.3 - Transport hazard class(es)

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ADR Transport hazard class(es) : 8
ADR Classification code: : C1
Pictograms



Transport hazard class(es) (RID) : 8
Pictograms



Transport hazard class(es) (ADN) : 8
Pictograms



Transport hazard class(es) (IMDG) : 8
Pictograms



Transport hazard class(es) (IATA) : 8
Pictograms



14.4 - Packing group

Packing group : III
Packing group (RID) : III
Packing group (ADN) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

TORNADE AD COCO 2D

ADR

<u>ADR Classification code:</u>	:	C1
<u>ADR Special provisions</u>	:	274
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E1
<u>ADR Packing instructions</u>	:	P001 IBC03 LP01 R001
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T7
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP28
<u>ADR tank code</u>	:	L4BN
<u>ADR tanks special provisions</u>	:	TU42
<u>Vehicle for tank carriage</u>	:	AT
<u>ADR Transport category</u>	:	3
<u>ADR Tunnel restriction code</u>	:	E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	V12
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	
<u>ADR Hazard identification number (Kemler No.)</u>	:	80

RID

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

ADN

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

IMDG

<u>Special provisions</u>	:	223 274
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E1
<u>Packing instructions</u>	:	P001 LP01
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	IBC03
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T7
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP28
<u>EmS codes</u>	:	F-A, S-B
<u>Stowage and handling</u>	:	Category A SW2
<u>Segregation</u>	:	SGG1 SG36 SG49
<u>Properties and observations</u>	:	Causes burns to skin, eyes and mucous membranes.

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IATA

PCA - Excepted quantities	:	E1
PCA - Limited Quantity - Packing Instructions	:	Y841
PCA - Limited Quantity - Maximum Net Quantity per Package	:	1L
PCA - Packing Instructions	:	852
PCA - Maximum Net Quantity per Package	:	5L
CAO - Packing Instructions	:	856
CAO - Maximum Net Quantity per Package	:	60L
Special Provisions	:	A3 A803
ERG Code	:	8L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 5,94 %

- * Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
- * Information relating to Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (DIR-VOC)
- * The surfactants contained in this mixture comply with the biodegradability criteria as defined in Regulation (EC) No 648/2004 on detergents.
- * Regulation (EC) No. 648/2004 on detergents
- * Regulation (EU) No. 2019/1021 of the European Parliament and of the Council of June 20, 2019 on persistent organic pollutants. (POPs'): None of the components are submitted.
- * Regulation EU.n° 2019/1148: Annex I - PRECURSORS OF EXPLOSIVES SUBJECT TO RESTRICTIONS (Maximum limit value for the purpose of granting a license under article 5, paragraph 3): None components is submitted.
- * Regulation EU.n° 2019/1148: Annex II - PRECURSORS OF EXPLOSIVES SUBJECT TO A REPORT: None of the components are subject.
- * Regulations EU n° 273/2004 and EU: 111/2005 on drug precursors: None of the components are subject.

Regulation (EC) No. 648/2004 (Detergents regulation)

Contains:

- less than 5%: amphoteric surfactants
- 5% or more but less than 15%: nonionic surfactants
- perfumes

Website <https://obioseed.com/>

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

TORNADE AD COCO 2D

SDS versions

Version	Issue date	Author	Description of the amendments
1	13/11/2025		

literature infomation

ECHA

FLASH POINT DETERMINATION OF BINARY MIXTURES OF ALCOHOLS, KETONES AND WATER - P.J. Martínez, E. Rus and J.M. Compañía - Departamento de Ingeniería Química. Facultad de Ciencias - Universidad de Málaga. 29071 Málaga (SPAIN)

Data sources:

Supplier

Wording of phrases H, EUH listed in section 3 and phrases P from 2.2 not appearing on the label.

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
Met. Corr. 1	Corrosive to metals - Category 1
Not Classified	Not classified
Skin Corr. 1	Skin corrosion, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local regulation.

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
Complies with Regulation (EC) No. 1907/2006 (REACH) (amended by Regulation (EU) No. 453/2010)
Complies with Annex II of the REACH regulation amended by REGULATION (EU) N°878/2020 of June 18, 2020
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
Observe technical data sheet.

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