SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

Top Efekt ORANZ

Creation date	10th August 2000	Version	5.0
Revision date	05th November 2025		

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

1.1. Product identifier — Top Efekt ORANZ

Substance / mixture — mixture

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

Mixture's intended use

Neutral, washing-nurturing product with pleasant aroma, designed for cleaning shiny surfaces with glass structure and very low absorbency level

Mixture uses advised against

not available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name	TENZI Sp. z o.o.
Address	Skarbimierzyce 20, Dołuje, 72-002 Poland
VAT number	PL8512583405
Phone	+48 91 3119777
Email	info@tenzi.pl
Web address	www.tenzi.pl

Competent person responsible for the safety data sheet

Name	technolog@tenzi.pl
Email	technolog@tenzi.pl

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2. Label elements

Signal word

none

Supplemental information

<5 % anionic surfactants, perfumes

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43-XXXX	ethanol	<10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 85536-14-7 EC: 287-494-3 Registration number: 01-2119490234-40-XXXX	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs	<0.7	Acute Tox. 4, H302 Skin Corr. 1C, H314 Aquatic Chronic 3, H412	

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Do not rub your eyes – it could lead to mechanical damage of the cornea. Depending on the situation, call medical rescue service or ensure medical treatment.

If swallowed

DO NOT INDUCE VOMITING - even the inducted vomiting can cause complications as in case of detergents and other foaming substances.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Not expected.

If swallowed

Not expected.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Stop leak if safe to do so. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water. Self-Contained Breathing Apparatus (SCBA) with gas-tight suit when close proximity to the substance or its vapours is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

After removal of the product, wash the contaminated site with plenty of water.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed, original plastic container (high density polyethylene HDPE). Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor. DO NOT expose the product to sunlight and keep away from heat, frost, sparks, flame and source of ignition.

Storage temperature min 5 °C, max 35 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

DNEL

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Dermal	170 mg/kg	Chronic effects local	SDS
Workers	Inhalation	12 mg/m³	Chronic effects local	SDS
Workers	Inhalation	12 mg/m³	Acute effects local	SDS
Consumers	Dermal	85 mg/kg	Chronic effects local	SDS
Consumers	Inhalation	3 mg/m³	Chronic effects local	SDS
Consumers	Oral	0.85 mg/kg	Chronic effects local	SDS
	Inhalation	3 mg/m³	Acute effects local	SDS

ethanol				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Dermal	343 mg/kg	Chronic effects systemic	SDS
Workers	Inhalation	950 mg/m³	Acute effects systemic	SDS
Workers	Dermal	1900 mg/kg	Acute effects systemic	SDS
Consumers	Dermal	206 mg/kg	Chronic effects systemic	SDS
Consumers	Oral	87 mg/kg	Chronic effects systemic	SDS
Consumers	Inhalation	114 mg/m³	Chronic effects systemic	SDS
Consumers	Dermal	950 mg/kg	Acute effects systemic	SDS
Consumers	Inhalation	950 mg/m³	Acute effects systemic	SDS

PNEC

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs		
Route of exposure	Value	Source
Drinking water	0.287 mg/l	SDS
Marine water	0.0287 mg/l	SDS

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs		
Route of exposure	Value	Source
Water (intermittent release)	0.0167 mg/l	SDS
Freshwater sediment	0.287 mg/kg	SDS
Sea sediments	0.287 mg/kg	SDS
Soil (agricultural)	35 mg/kg	SDS
Microorganisms in sewage treatment	3.43 mg/l	SDS

ethanol		
Route of exposure	Value	Source
Soil (agricultural)	0.63 mg/kg	SDS
Microorganisms in sewage treatment	580 mg/l	SDS
Marine water	0.79 mg/l	SDS
Freshwater sediment	3.6 mg/kg	SDS
Drinking water	0.96 mg/l	SDS

8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

It is not needed.

Respiratory protection

It is not needed.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	orange
Odour	characteristic of the composition used for
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	48 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	7 (undiluted at 20 °C)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	data not available
Relative density	0.990 g/cm3 (+-) 0.020
Relative vapour density	data not available
Particle characteristics	data not available

Form orange liquid

9.2. Other information

Flash point: based on a similar product
Testing the capacity of sustaining the burning of liquid (ISO 9038: 2005P) - does not have the ability to sustain burning

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	1470 mg/kg		Rat (Rattus norvegicus)		SDS
Skin	LD_{50}	2000 mg/kg		Rat		SDS

ethanol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	6.2-15 g/l		Rat (Rattus norvegicus)		SDS
Oral	LDL_0	6000 mg/kg		Human		SDS
	LDL_0	7060 mg/kg		Rat (Rattus norvegicus)		SDS
Inhalation	LC_{50}	<50 mg/l	4 hours	Rat (Rattus norvegicus)		SDS

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity
Based on available data the classification criteria are not met.

Carcinogenicity
Based on available data the classification criteria are not met.

Reproductive toxicity
Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure
Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Based on available data the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties
Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information
not available

SECTION 12: Ecological information

12.1. Toxicity

not available

Acute toxicity

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC_{50}		>1-10 mg/l	96 hours	Fish		SDS
EC_{50}	OECD 202	>1-10 mg/l	48 hours	Crustaceans (Daphnia magna)		SDS
NOEC		>4 mg/l	28 days	Algae and other aquatic plants		SDS
LC_{50}		>1000 mg/kg		Invertebrates		SDS
EC_{50}	OECD 208	167 mg/kg	21 days	Higher plants		SDS
EC_{50}	OECD 208	289 mg/kg	21 days	Higher plants		SDS
EC_{50}	OECD 208	316 mg/kg	21 days	Higher plants		SDS

Chronic toxicity

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs					
Parameter	Value	Exposure time	Species	Environment	Source
NOEC	>1-10 mg/l	32 days	Crustaceans		SDS
NOEC	1 mg/l	28 days	Fish		SDS

12.2. Persistence and degradability

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

Biodegradability

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs				
Parameter	Value	Exposure time	Environment	Result
				Easily biodegradable

12.3. Bioaccumulative potential
Data not available.

12.4. Mobility in soil
Data not available.

12.5. Results of PBT and vPvB assessment
Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties
Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects
Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code
07 06 04* other organic solvents, washing liquids and mother liquors

Packaging waste type code
15 01 02 plastic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number
not subject to transport regulations

14.2. UN proper shipping name
not relevant

14.3. Transport hazard class(es)
not relevant

14.4. Packing group
not relevant

14.5. Environmental hazards
No

14.6. Special precautions for user
Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments
not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out for the mixture.
ethanol: A Chemical Safety Assessment has been carried out
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs: the manufacturer has performed a chemical safety assessment

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{50}	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration

OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.	Skin corrosion
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 5.0 replaces the SDS version from Friday, 24 March 2023. Changes were made in sections 1, 2, 11, 12, 13, 15 and 16.

More information

Classification procedure - based on the results of flash point and sustained burning tests. Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.