SAFETY DATA SHEET

In accordance with Regulation (EC) No 1272/2008
Version 1
Date of issue 17/05/2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY/UNDERTAKING

1.1 Product Information

Trade Name : **ZEO F569**

1.2 Relevant identified uses of the product

Liquid for deodorizing and freshening fabrics

1.3 Details of the supplier of the safety data sheet

ZEO TEC HELLAS GROUP IKE
SPARTIA AREA,SESKLO VOLOS
Tel : 2421095212
FAX: 2421095212
POSTCODE: 38500
E-mail :zthellasgroup@gmail.com

1.4 Emergency telephone number

Poison Center Telephone: 210 -7793777

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

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

Pictogramm

Signal word –

Hazard statement (s) H
None

Precautionary statement(s)

P102 Keep out of reach of children.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor

Additional hazard statements
None

Other hazards
No data
The product does not meet the criteria as PBT or vPvB in accordance with the requirements of Regulation No 107/2006(EK),category XIII

3 .COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazard components

Cas No/EC	component	REACH No	Classification according to 1272/2008/EK	content
	frangrance		H315, H317, H319, H412	0% - 2%
56539-66-3	3-methoxy-3-methylboutan-1- ol	01-2119976333-33	Eye irr., cat.2 , H319	5%-10%

4. FIRST AID MEASURES

4.1 Description of first aid measures.

After inhalation: In case of fainting it is necessary to lie down and transfer to a firm lateral position.
After skin contact: Rinse immediately with water and soap and rinse thoroughly.
Immediately remove contaminated clothing
After eye contact: Wash eyes with running water for a long time and with eyelids open.
After swallowing: Rinse mouth and drink plenty of water.
4.2 Most important symptoms and effects, acute or delayed
Not available.
4.3 Indication of any immediate medical attention and special treatment required
Not available

5. FIREFIGHTING MEASURES

5.1 Fire-extinguishing media
Suitable extinguishing media.

Fire-extinguishing powder, Foam, sand, Water spraying

5.2 Special hazards arising from the substance or mixture

In a fire, it is possible to release: oxides of nitrogen (NOx), carbon monoxide (CO), dioxide Sulfur (SO2)

5.3 Advice for firefighters

Do not attempt to fight the fire without proper protective equipment: Independent breathing appliances. Remove all people from the incident.

Special protective equipment:

Wear protective fire-fighting clothing (garments, helmets, footwear, gloves) in harmony with the European Standard EN 469

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

The product in contact with water forms slippery layers. There is a great risk of slipping due to product spillage. Wear your individual Protective clothing.

6.2 Environmental precautions:

Obstruct the surface extension.

Do not empty into drains or the aquatic environment. In case of diverting into the aquatic environment or in the sewage system, notify the competent authorities.

6.3 Methods and materials for containment and cleaning up:

Stop leakage.

Dispose contaminated materials in accordance with current regulations

6.4 Reference to other sections

For safe handling see 7.

For personal protective equipment see 8.

For disposal information see 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep the container tightly closed.

Advice on how to protect against fire and explosion:

No special measures are required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

It is stored at temperatures below 35 ° C.

Compatible packaging materials: Stainless steel, plastic.

Storage: Keep separate from oxidising substances.

Further statements on storage conditions:

None

7.3 Specific end use or uses

Not available.

Additional notes for the design of technical installations:

No other recommendation, see chapter 7.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1Control parametres

Components with limit values related to workplaces and are required to be supervised:
No data available

8.2 Exposure controls
Personal protective equipment:
General protection and hygiene measures:
When using it, do not eat, drink, smoke. Keep away from food, drink and animal feed. Immediately remove dirty, wet clothing. Wash your hands before and after the break. Avoid contact with skin. Avoid contact with eyes and skin.
Respiratory protection:
It is not necessary
Hand protection:
Protective gloves. The glove material should be impervious and resistant to the product. Due to non-testing, no glove material can be proposed for the product. Select the glove material taking into account transit times, permeation rates and degradation.
Glove material
The choice of the suitable glove depends not only on the material but also on the extra quality features, which differ according to the manufacturer EN 374
Penetration of glove material time
For mixtures of the chemicals listed below, the transit time should be at least 480 minutes (Permeability according to EN 374). The exact passage time is given by the manufacturer of the protective gloves and should always be observed.
Eye protection:
Protective glasses fully fit.
Body protection:
Protective working clothes.
Use protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Data on basic physical and chemical properties

General information	
Appearance: Form:	liquid
Color:	-
Odor:	characteristic
Odor threhold:	-
pH at 20 °C:	6,5 ± 0,5
Melting point/melting range	Not determined.
Boiling point/boiling range:	Not determined.
Flash point:	material does not ignite
Decomposition temperature :	Not applicable
Self ignition risk	Not determined
Risk of explosion:	Not determined

Explosion hazard limits:	
inferior:	Not determined.
higher:	Not determined.
Vapor pressure:	Not applicable
Density at 20 °C:	0,98 g/cm³
Relative density	Not determined.
Vapor densiy	Not applicable
Vaporization rate	Not applicable
Solubility in water at 20 °C:	complete
Dispensing factor (n-Octanol/H2O) at 23 °C	-
Viscous property:	
Dynamic:	Not applicable
Kinematic:	Not applicable

9.2 Other information No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity
No further relevant information about the reactivity of the product or its components
10.2 Chemical stability
Thermal decomposition/Conditions to avoid
It does not decompose if it used properly
10.3 Possibility of hazardous reactions
No dangerous reaction available
10.4 Conditions to avoid
No further relevant information available
10.5 Incompatible materials
No further relevant information available

11.TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

3-methoxy-3-methylboutan-1-ol

Acute toxicity
Not classified based on available information.
Acute oral toxicity: LD50 (Rat): 4.400 mg / kg
Acute dermal toxicity: LD50 (Rat):> 2,000 mg / kg
Assessment: This substance or mixture has no acute toxicity to the skin
Skin erosion and irritation
Not classified based on available information.
Species: Rabbit
Result: No skin irritation
Severe damage / irritation of the eyes
It causes serious eye irritation.

Species: Rabbit
Result: Eye irritation, reversed within 21 days
Respiratory sensitization or sensitization of the skin
Skin sensitization: Not classified according to available information. Respiratory sensitization: Not classified according to available information.
Test Method: Maximization Experiment Exposure routes: Contact with skin
Species: Waterwind Result: negative
Germ cell mutagenicity
Not classified based on available information.
Carcinogenicity
Not classified based on available information.
Reproductive toxicity
Not classified based on available information.
Effects on fertility:
Test Type: Reproduction / Test for Toxicity Test
in growth Species: Rat
Method of application: Ingestion
Method: OECD Test Guideline 421
Result: negative
Effects on fetal development:
Type of Test: Fetal development Type: Rat
Method of application: Ingestion
Result: negative
STOT-one-off report
Not classified based on available information.
STOT-repeated exposure
Not classified based on available information.
Repeated dose toxicity
Species: Rat, male
NOAEL: 60 mg / kg
LOAEL: 250 mg / kg
Method of Application: Ingestion Exposure Time: 28 Days
Species: Rat, male LOAEL: 0.53 mg / l
Method of Application: Inhalation (vapor) Exposure Time: 28 Days
Suction toxicity
Not classified based on available information.

12. ECOLOGICAL INFORMATION

3-METHOXY-3-METHYLBUTAN-1-OL

12.1 TOXICITY

Toxicity to fish: LC50 (Oryzias latipes (Japanese medaka)):> 100 mg / l Exposure time: 96 h
Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic molluscs: EC50 (Daphnia magna):> 1,000 mg / l
Exposure time: 48 h
Toxicity to seaweed: NOEC (Selenastrum capricornutum (green algae)): 1,000 mg / l
Exposure time: 72 h

ErC50 (Selenastrum capricornutum (green algae)):> 1,000 mg / l
Exposure time: 72 h
Toxicity to bacteria: EC50:> 1,000 mg / l
Exposure time: 3 h
Toxicity to daphnia and other aquatic molluscs (Chronic Toxicity):
NOEC: 100 mg / l Exposure time: 21 d
Species: Daphnia magna Method: OECD TG 211
12.2 Persistence and degradability
Biodegradability:
Result: Biodegradation is difficult. Biodegradation: 78.9%
Exposure time: 28 d
Method: OECD Test Guideline 310
Result: Degrades biologically on its own.
Biodegradation: 100% Exposure time: 28 d Method: OECD TG 301 C
12.3 Possibility of bioaccumulation
Partition coefficient: n-octanol / water: log Pow: 0.18
12.4 Mobility on the ground
No data available
12.5 Results of the PBT and vPvB assessment
No matter what
12.6 Other adverse effects
No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste management methods
Composition:
It must not be deposited with common waste. Do not empty into drains.
Uncleaned packaging:
Recommendation: Disposal should be in accordance with official regulations.
Cleaning agent: Water.

14.TRANSPORT INFORMATION

The transport of the product is safe in the company's containers and does not require additional precautions.

14.1 UN number	**Not applicable.**
ADR, ADN, IMDG, IATA	**-**
14.2 UN proper shipping name	**Not applicable.**
ADR, ADN, IMDG, IATA	**-**
14.3 Transport hazard class (es)	**Not applicable**
ADR, ADN, IMDG, IATA	
Class	**-**
14.4 Packing group	**Not applicable**
ADR, IMDG, IATA	**-**
14.5 Environmental hazards:	
Environmentally Dangerous:	**No.**
14.6 Special precautions for user	**Not applicable**

15.REGULATORY INFORMATION

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

Components according to the Detergents Regulation 648/2004 / EC

It contains among others less than 5% non-ionic surfactants.
Contains preservative METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE.It contains aroma. May cause an allergic reaction

15.2 Chemical Safety Assessment

A chemical safety assessment for the mixture has not been carried out

16. OTHER INFORMATION

List of the phrases R,H and EUH referred to in section 3

H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H412 Very toxic to aquatic life with long lasting effects

Abbreviations and acronyms:

DNEL - Derived No Effect Level
EUH - CLP Special Risks Declaration
PBT - Persistent, Bioaccumulative and Toxic
PNEC - Predicted Concentration No Impact
REACH number - REACH registration number
vPvB - extremely persistent and very bioaccumulative

The above information relates only to the specific product of our company based on our current level of knowledge and is not a guarantee of any specific product features