SAFETY DATA SHEET

Tixo, uden parfume

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

1.1. Product identifier

Trade name

Tixo, uden parfume

Product no.

126

Unique formula identifier (UFI)

UVV3-71SF-200P-8PQR

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

Relevant identified uses of the substance or mixture

Viscous cleaning and descaler.

Use descriptors (UK REACH)

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category	Description
PC35	Washing and Cleaning Products (including solvent based products)

Process category	Description
PROC19	Hand-mixing with intimate contact and only PPE available

Environmental release category	Description
ERC8a	Wide dispersive indoor use of processing aids in open systems

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

Jysk Kemi Service A/S
Gl. Struervej 50
7500 Holstebro
Denmark
+45 9740 3133
+45 9740 4846
www.jyskkemi.dk

Contact person

Rikke Hunskjær

E-mail

rikke@jyskkemi.dk

Revision

30/09/2022

SDS Version

1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)

Safety statement(s)

General

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)

Prevention

Wear face protection/protective gloves. (P280)

Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . (P303+P361+P353)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage

Store locked up. (P405)

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

orthophosphoric acid
glycollic acid

Additional labelling

Not applicable.

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	Note

orthophosphoric acid	CAS No.: 7664-38-2 EC No.: 231-633-2 UK-REACH: Index No.: 015-011-00-6	15-25%	Skin Corr. 1B, H314 (SCL: 25.00 %)	[1]
citric acid	CAS No.: 5949-29-1 EC No.: 201-069-1 UK-REACH: Index No.:	10-15%	Eye Irrit. 2, H319	
glycollic acid	CAS No.: 79-14-1 EC No.: 201-180-5 UK-REACH: Index No.:	1-3%	EUH071 Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4, H332	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

Labelling of contents according to Detergents Regulation (EC) No 648/2004 as retained and amended in UK law

< 5%

· Non-ionic surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment.

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 30 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

Ingestion

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit returning

mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

Burns

Not applicable.

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

None known.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not applicable.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: 2X

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Keep only in original packaging.

Storage temperature

> 0°C

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

—
orthophosphoric acid
Long term exposure limit (8 hours) (mg/m³): 1
Short term exposure limit (15 minutes) (mg/m³): 2

—
propane-1,2-diol
Long term exposure limit (8 hours) (ppm): 150(total)
Long term exposure limit (8 hours) (mg/m³): 474(total)/10(particulates)

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

orthophosphoric acid

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	0,1 mg/kg legemsvægt/dag
Long term – Local effects - General population	Inhalation	0,36 mg/m³
Long term – Local effects - General population	Inhalation	360 µg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m³
Long term – Local effects - Workers	Inhalation	1 mg/m³
Long term – Systemic effects - General population	Inhalation	4,57 mg/m³
Long term – Systemic effects - General population	Inhalation	4.57 mg/m³
Long term – Systemic effects - Workers	Inhalation	10,7 mg/m³
Long term – Systemic effects - Workers	Inhalation	10.7 mg/m³
Short term – Local effects - Workers	Inhalation	2 mg/m³
Short term – Local effects - Workers	Inhalation	2 mg/m³
Long term – Systemic effects - General population	Oral	100 µg/kgbw/day

propane-1,2-diol

Duration	Route of exposure	DNEL
Long term – Local effects - General population	Inhalation	10 mg/m3
Long term – Local effects - Workers	Inhalation	10 mg/m3
Long term – Systemic effects - General population	Inhalation	50 mg/m3

Long term – Systemic effects - Workers	Inhalation	186 mg/m3

PNEC

citric acid

Route of exposure	Duration of Exposure	PNEC
Freshwater		0,44 mg/L
Freshwater sediment		3,46 mg/kgbw
Marine water		0,044 mg/L
Marine water sediment		34,6 mg/kgbw
Sewage treatment plant		> 1000 mg/L
Soil		33,1 mg/kgbw

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

No specific requirements

Skin protection

Recommended	Type/Category	Standards
No special when used as intended.	-	-

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile - Discard immediately after use	0.2	> 240	EN374-2, EN374-3, EN388

Eye protection

Type	Standards
In the likelihood of direct or incidental exposure, use face protection.	EN166

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Clear

Odour / Odour threshold
Characteristic

pH
0,5

Density (g/cm³)
1.15

Kinematic viscosity
No data available

Particle characteristics
Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C)
Not applicable - product is a liquid

Softening point/range (waxes and pastes) (°C)
Does not apply to liquids.

Boiling point (°C)
100

Vapour pressure
No data available

Relative vapour density
No data available

Decomposition temperature (°C)
No data available

Data on fire and explosion hazards

Flash point (°C)
No data available

Ignition (°C)
Not applicable - flash point > 200°C

Auto flammability (°C)
Not applicable - flash point > 200°C

Lower and upper explosion limit (% v/v)
Not applicable

Solubility

Solubility in water
Completely soluble

n-octanol/water coefficient
Testing not relevant or not possible due to the nature of the product.

Solubility in fat (g/L)
Testing not relevant or not possible due to the nature of the product.

9.2. Other information

Evaporation rate (n-butylacetate = 100)

No data available

Other physical and chemical parameters

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Product/substance	orthophosphoric acid
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50 (2 hours)
Result	850 mg/L
Other information	

Product/substance	orthophosphoric acid
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2740 mg/kg
Other information	

Product/substance	citric acid
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	3000 mg/kg ·
Other information	

Product/substance	glycollic acid
Test method	

Species	Rat
Route of exposure	Oral
Test	LD50
Result	2040 mg/kg ·
Other information	

Product/substance	glycollic acid
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	3,6 mg/l, 4 h ·
Other information	

Product/substance	propane-1,2-diol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	22000 mg/kg ·
Other information	

Product/substance	propane-1,2-diol
Test method	
Species	Rabbit
Route of exposure	Inhalation
Test	LC50
Result	> 317 mg/l ·
Other information	

Product/substance	propane-1,2-diol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg ·
Other information	

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory sensitisation

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

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.

STOT-single exposure

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

STOT-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

Long term effects

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Endocrine disrupting properties

None known.

Other information

None known.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	orthophosphoric acid
Test method	
Species	Fish
Compartment	
Duration	7 days
Test	LC50
Result	138 mg/l ·
Other information	

Product/substance	orthophosphoric acid
Test method	
Species	Crustacean
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/l ·
Other information	

Product/substance	orthophosphoric acid
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	100 mg/l ·
Other information	

Product/substance	citric acid
Test method	
Species	Fish
Compartment	

Duration	7 days
Test	LC50
Result	440-760 mg/l ·
Other information	

Product/substance	citric acid
Test method	
Species	Crustacean
Compartment	
Duration	No data available.
Test	EC50
Result	> 10000 mg/l ·
Other information	

Product/substance	glycollic acid
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	141 mg/l ·
Other information	

Product/substance	glycollic acid
Test method	
Species	Fish
Compartment	
Duration	7 days
Test	LC50
Result	164 mg/l ·
Other information	

Product/substance	propane-1,2-diol
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	43500 mg/l ·
Other information	

Product/substance	propane-1,2-diol
Test method	
Species	Fish
Compartment	
Duration	7 days
Test	LC50
Result	40613 mg/l ·
Other information	

Product/substance	propane-1,2-diol
Test method	
Species	Crustacean
Compartment	
Duration	18 hours
Test	NOEC
Result	20.000 mg/l ·
Other information	

12.2. Persistence and degradability

Product/substance	citric acid
Biodegradable	Yes
Test method	OECD 301 B
Result	97%

Product/substance	glycollic acid
Biodegradable	Yes
Test method	
Result	

Product/substance	propane-1,2-diol
Biodegradable	Yes
Test method	OECD 301 F
Result	81,7%

12.3. Bioaccumulative potential

Product/substance	orthophosphoric acid
Test method	
Potential bioaccumulation	No
LogPow	No data available.
BCF	No data available.
Other information	

Product/substance	propane-1,2-diol
Test method	
Potential bioaccumulation	No data available.
LogPow	No data available.
BCF	0.09
Other information	

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 8 – Corrosive
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

20 01 14*	Acids
Waste Group X	Waste Group X

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	UN1760	CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Class: 8 Labels: 8 Classification code: C9 	III	No	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1760	CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Class: 8 Labels: 8 Classification code: C9 	III	No	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	UN1760	CORROSIVE LIQUID, N.O.S. (orthophosphoric acid)	Class: 8 Labels: 8 Classification code: C9 	III	No	See below for additional information.

* Packing group
** Environmental hazards

Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.
This product is within scope of the regulations of transport of dangerous goods.
Hazchem Code: 2X

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

Additional information

Tactile warning.
If this product is sold in retail, it must be delivered with child-resistant fastening.

Sources

The Management of Health and Safety at Work Regulations 1999.
Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

EUH071, Corrosive to the respiratory tract.
H314, Causes severe skin burns and eye damage.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.

The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)
LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC19 = Hand-mixing with intimate contact and only PPE available
PC35 = Washing and Cleaning Products (including solvent based products)
ERC8a = Wide dispersive indoor use of processing aids in open systems

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

Rikke Hunskjær

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en