

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

PANEL

**Product no.**

47

**Unique formula identifier (UFI)**

T9MA-9TEE-J99C-TY16

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

**Relevant identified uses of the substance or mixture**

Cleaning liquid

**Uses advised against**

No special

### 1.3. Details of the supplier of the safety data sheet

**Company and address**

BLITZZ Aps

Barsøvænget 22

6000 Kolding

Denmark

+45 27 89 34 33

www.blitz.dk

**E-mail**

info@blitz.dk

**Revision**

30-11-2021

**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. 1; 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

Do not breathe vapour / mist. (P260)

Wear eye protection / protective gloves / protective clothing. (P280)

#### Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (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

-

#### Disposal

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

#### Hazardous substances

1-Heptanol, 2-propyl-, 8EO

1-Heptanol, 2-propyl-, 5EO

#### 2.3. Other hazards

##### Additional labelling

Not applicable

##### Additional warnings

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Heptanol, 2-propyl-, 8EO	CAS No.: 160875-66-1 EC No.: REACH: Index No.:	3-5%	Acute Tox. 4, H302 Eye Dam. 1, H318	
1-Heptanol, 2-propyl-, 5EO	CAS No.: 160875-66-1 EC No.: 605-233-7 REACH: Index No.:	3-5%	Eye Dam. 1, H318	
propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH: Index No.: 603-117-00-0	1-3%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

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

#### Other information

No special

#### Labelling of contents according to Detergents Regulation (EC) No 648/2004

5% - 15%

· Non-ionic surfactants

< 5%  
· Perfumes

## 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

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap.

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 15 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

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.

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

### 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.

### 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.

## 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.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

## 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of 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

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

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

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

Room temperature 18 to 23°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

—  
 propan-2-ol  
 Long term exposure limit (8 hours) (ppm): 400  
 Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 999  
 Short term exposure limit (15 minutes) (ppm): 500  
 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1250

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

Product/substance	propan-2-ol
DNEL	319 mg/kg/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/substance	propan-2-ol
DNEL	89 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population

Product/substance	propan-2-ol
DNEL	26 mg/kg/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	propan-2-ol
DNEL	888 mg/kg/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

Product/substance	propan-2-ol
DNEL	500 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

### PNEC

Product/substance	propan-2-ol
PNEC	552 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	propan-2-ol
PNEC	28 mg/kg
Route of exposure	Soil
Duration of Exposure	

Product/substance	propan-2-ol
PNEC	140.9 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	propan-2-ol
PNEC	140.9 mg/L
Route of exposure	Intermittent release
Duration of Exposure	

Product/substance	propan-2-ol
PNEC	2251 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/substance	propan-2-ol
PNEC	552 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	propan-2-ol
PNEC	140.9 mg/L
Route of exposure	Freshwater

Duration of Exposure

## 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


Wash contaminated clothing before reuse.

Use only CE marked protective equipment.


### Respiratory Equipment

No specific requirements


### Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn	-	-	

### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	-	> 480	EN374-2, EN374-3, EN388	

### Eye protection

Type	Standards	
Safety glasses with side shields.	EN166	

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid

**Colour**

Blue

**Odour / Odour threshold**

Pleasant

**pH**

12.5

**Density (g/cm<sup>3</sup>)**

1.00

**Kinematic viscosity**

Testing not relevant or not possible due to nature of the product.

**Particle characteristics**

Does not apply to liquids.

**Phase changes**

**Melting point/Freezing point (°C)**

Testing not relevant or not possible due to nature of the product.

**Softening point/range (waxes and pastes) (°C)**

Does not apply to liquids.

**Boiling point (°C)**

Testing not relevant or not possible due to nature of the product.

**Vapour pressure**

Testing not relevant or not possible due to nature of the product.

**Relative vapour density**

Testing not relevant or not possible due to nature of the product.

**Decomposition temperature (°C)**

Testing not relevant or not possible due to nature of the product.

**Data on fire and explosion hazards**

**Flash point (°C)**

Testing not relevant or not possible due to nature of the product.

**Ignition (°C)**

Testing not relevant or not possible due to nature of the product.

**Auto flammability (°C)**

Testing not relevant or not possible due to nature of the product.

**Lower and upper explosion limit (% v/v)**

Testing not relevant or not possible due to nature of the product.

**Solubility**

**Solubility in water**

Soluble

**n-octanol/water coefficient**

Testing not relevant or not possible due to nature of the product.

**Solubility in fat (g/L)**

Testing not relevant or not possible due to nature of the product.

**9.2. Other information**

**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**

No special

**10.4. Conditions to avoid**

No special

### 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

#### Acute toxicity

Product/substance	1-Heptanol, 2-propyl-, 8EO
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>300-2000 mg/kg
Other information	

Product/substance	1-Heptanol, 2-propyl-, 5EO
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	propan-2-ol
Test method	OECD 401
Species	Rat
Route of exposure	Oral
Test	LD50
Result	5840 mg/kg
Other information	

Product/substance	propan-2-ol
Test method	OECD 403
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>25 mg/L
Other information	

Product/substance	propan-2-ol
Test method	OECD 402
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	13900 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**

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Endocrine disrupting properties**

No special

**Other information**

propan-2-ol has been classified by IARC as a group 3 carcinogen.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Product/substance	1-Heptanol, 2-propyl- , 8EO
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	10-100 mg/L
Other information	

Product/substance	1-Heptanol, 2-propyl- , 8EO
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	10-100 mg/L
Other information	

Product/substance	1-Heptanol, 2-propyl- , 8EO
Test method	
Species	Algae, Scenedesmus subspicatus
Compartment	
Duration	72 hours
Test	EC50
Result	10-100 mg/L

Other information	
Product/substance	1-Heptanol, 2-propyl- , 5EO
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	10-100 mg/L
Other information	
Product/substance	1-Heptanol, 2-propyl- , 5EO
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	10-100 mg/L
Other information	
Product/substance	propan-2-ol
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	>100 mg/L
Other information	
Product/substance	propan-2-ol
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L
Other information	
Product/substance	propan-2-ol
Test method	
Species	Algae
Compartment	
Duration	8 d
Test	LOEC
Result	1000 mg/L
Other information	
Product/substance	propan-2-ol
Test method	
Species	Daphnia, Daphnia magna
Compartment	

Duration	48 hours
Test	LC50
Result	>100 mg/L
Other information	

### 12.2. Persistence and degradability

Product/substance	1-Heptanol, 2-propyl-, 8EO
Biodegradable	Yes
Test method	OECD 301 D
Result	

Product/substance	1-Heptanol, 2-propyl-, 5EO
Biodegradable	Yes
Test method	OECD 301 D
Result	

Product/substance	propan-2-ol
Biodegradable	Yes
Test method	
Result	

### 12.3. Bioaccumulative potential

Product/substance	1-Heptanol, 2-propyl-, 8EO
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/substance	1-Heptanol, 2-propyl-, 5EO
Test method	
Potential bioaccumulation	No
LogPow	No data available
BCF	No data available
Other information	

Product/substance	propan-2-ol
Test method	
Potential bioaccumulation	No
LogPow	0.0500
BCF	No data available
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

No special

### 12.7. Other adverse effects

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

To the extent the material has not been subject to regular tests of peroxide formation the waste shall be treated as explosive waste.

HP 8 – Corrosive

Avoid discharge to lakes, streams, sewers, etc.

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

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

### EWC code

07 06 04\* Other organic solvents, washing liquids and mother liquors

### 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. - 14.4.

This product is within scope of the regulations of transport of dangerous goods.

### ADR/RID

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
1760	CORROSIVE LIQUID, N.O.S. (Natriummetasilicat Pentahydrat)	8	III	3 (E)

### IMDG

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
1760	CORROSIVE LIQUID, N.O.S. (Natriummetasilicat Pentahydrat)	8	III	F-A, S-B

### MARINE POLLUTANT

No

### IATA

UN- or ID number	UN proper shipping name	Labels	Packing group
1760	CORROSIVE LIQUID, N.O.S. (Natriummetasilicat Pentahydrat)	8	III

### 14.5. Environmental hazards

Not applicable

### 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

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.

H302, Harmful if swallowed.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H336, May cause drowsiness or dizziness.

#### 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  
UVCB = Complex hydrocarbon substance  
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)

The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP)

**The safety data sheet is validated by**

René Lorenzen

**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