SAFETY DATA SHEET

7230 ceramic wash

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

1.1. Product identifier

Trade name

7230 ceramic wash

Product no.

4437024

▼Unique formula identifier (UFI)

SR0N-S0K9-600U-DNEG

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

Relevant identified uses of the substance or mixture

Cleaning

▼Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

mira byggeprodukter a/s
Egegårdsvej 2
4621 Gadstrup
+45 46 19 19 46
www.mira.eu.com

Contact person

-

E-mail

info@mira.eu.com

Revision

16/03/2023

SDS Version

2.0

Date of previous version

09/05/2022 (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

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

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Causes serious eye damage. (H318)

Safety statement(s)

General

Keep out of reach of children. (P102)

Prevention

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

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Immediately call a POISON CENTER/doctor. (P310)

Storage

-

▼Disposal

Dispose of contents/container in accordance with local regulation. (P501)

Hazardous substances

1-Heptanol, 2-propyl- , 7EO

Tetrapotassium pyrophosphate

propan-2-ol;isopropyl alcohol;isopropanol

▼Additional labelling

UFI: SR0N-S0K9-600U-DNEG

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

3.1. ▼Substances

Not applicable. This product is a mixture.

3.2. ▼Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
1-Heptanol, 2-propyl- , 7EO	CAS No.: 160875-66-1 EC No.: 605-233-7 UK-REACH: Index No.:	5-10%	Acute Tox. 4, H302 Eye Dam. 1, H318	
Tetrapotassium pyrophosphate	CAS No.: 7320-34-5 EC No.: 230-785-7 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	
propan-2-ol;isopropyl alcohol;isopropanol	CAS No.: 67-63-0 EC No.: 200-661-7 UK-REACH: Index No.: 603-117-00-0	1-3%	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

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

▼Other information

-

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
Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

▼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
If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.
In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

▼Burns
Not applicable.

4.2. ▼Most important symptoms and effects, both acute and delayed
The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

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
Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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)
Some metal oxides

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
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous

earth 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

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

Storage temperature

Store in a closed original container in a dry and well-ventilated place.

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;isopropyl alcohol;isopropanol
Long term exposure limit (8 hours) (ppm): 400
Long term exposure limit (8 hours) (mg/m³): 999
Short term exposure limit (15 minutes) (ppm): 500
Short term exposure limit (15 minutes) (mg/m³): 1250

2-aminoethanol;ethanolamine
Long term exposure limit (8 hours) (ppm): 1
Long term exposure limit (8 hours) (mg/m³): 2,5
Short term exposure limit (15 minutes) (ppm): 3
Short term exposure limit (15 minutes) (mg/m³): 7,6
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

2-aminoethanol;ethanolamine

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects	Dermal	1 mg/kg
Long term – Local effects - Workers	Inhalation	3,3 mg/m³
Long term – Systemic effects	Oral	3,75 mg/kg

propan-2-ol;isopropyl alcohol;isopropanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	319 mg/kg bw/day

Long term – Systemic effects - Workers	Dermal	888 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	89 mg/m3
Long term – Systemic effects - Workers	Inhalation	500 mg/m3
Long term – Systemic effects - General population	Oral	26 mg/kg bw/day

Tetrapotassium pyrophosphate

Duration:	**Route of exposure:**	**DNEL:**
Long term – Systemic effects - General population	Inhalation	0,68 mg/m3
Long term – Systemic effects - Workers	Inhalation	2,79 mg/m3
Long term – Systemic effects - General population	Oral	> 70 mg/kg legemsvægt/dag

▼PNEC

2-aminoethanol;ethanolamine

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		0,085 mg/l
Freshwater sediment		0,434 mg/kg tørvægt
Intermittent release		0,028 mg/l
Secondary poisoning		12,71 mg/kg mad

propan-2-ol;isopropyl alcohol;isopropanol

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Freshwater		140,9 mg/l
Freshwater sediment		552 mg/kg
Intermittent release		140,9 mg/l
Marine water		140,9 mg/l
Marine water sediment		552 mg/kg
Sewage treatment plant		2251 mg/l
Soil		28 mg/kg

Tetrapotassium pyrophosphate

Route of exposure:	**Duration of Exposure:**	**PNEC:**
Activated Sludge Plant		50 mg/l
Freshwater		0,05 mg/l
Intermittent release		0,5 mg/l
Marine water		0,005 mg/l

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 eyewash and emergency 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

No specific requirements.

Individual protection measures, such as personal protective equipment

▼Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Type	Class	Colour	Standards
No specific requirements			

▼Skin protection

No specific requirements.

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Vinyl/PVC	0,12	-	EN374-2

Eye protection

Type	Standards
Wear safety goggles if there is a risk of splashes in the eyes. Eye protection must comply with EN 166.	EN 166

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

▼Colour

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

▼Odour / Odour threshold

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

pH

7

▼Density (g/cm³)

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

▼Kinematic viscosity

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

▼Vapour pressure

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

▼Relative vapour density

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

▼Decomposition temperature (°C)

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

Data on fire and explosion hazards

▼Flash point (°C)

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

▼Flammability (°C)

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

▼Auto-ignition temperature (°C)

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

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

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

Solubility

▼Solubility in water

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

▼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

▼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

▼Acute toxicity

Product/substance	1-Heptanol, 2-propyl- , 7EO
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	555,56 mg/kg

Product/substance	Tetrapotassium pyrophosphate
Species:	Mouse
Route of exposure:	Oral
Test:	LD50
Result:	2000.00 mg/kg

Product/substance	Tetrapotassium pyrophosphate
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	1.10 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2000.00 mg/kg

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5840.00 mg/kgbw

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	2000.00 mg/kg

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	66.10 mg/L

Product/substance	2-aminoethanol;ethanolamine
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	1089 mg/kg

Product/substance	2-aminoethanol;ethanolamine
Species:	
Route of exposure:	
Test:	LC50 (4 hours)
Result:	20 mg/L

Product/substance	2-aminoethanol;ethanolamine
Species:	
Route of exposure:	Dermal
Test:	LD50
Result:	2000 mg/kg

Skin corrosion/irritation

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

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

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

▼Endocrine disrupting properties

Not applicable.

▼Other information

None known.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance	1-Heptanol, 2-propyl- , 7EO
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>10 - 100 mg/L

Product/substance	1-Heptanol, 2-propyl- , 7EO
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>10 - 100 mg/L

Product/substance	1-Heptanol, 2-propyl- , 7EO
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>10 - 100 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>100 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	>100 mg/L

Product/substance	Tetrapotassium pyrophosphate
Species:	microorganisms
Duration:	3 hours
Test:	EC50
Result:	>1000 mg/L

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Fish
Duration:	48 hours
Test:	LC50
Result:	8970.00 mg/L

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Algae
Duration:	8 dage
Test:	TGK
Result:	1800.00 mg/L

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Species:	Daphnia
Duration:	24 h
Test:	EC50
Result:	9714.00 mg/L

12.2. ▼Persistence and degradability

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Biodegradable:	Yes
Test method:	OECD 301E
Result:	95%, 21 days

12.3. ▼Bioaccumulative potential

Product/substance	propan-2-ol;isopropyl alcohol;isopropanol
Test method:	
Potential bioaccumulation:	No data available.
LogPow:	0,05
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

Not applicable.

12.7. ▼Other adverse effects

None known.

SECTION 13: Disposal considerations

▼Waste treatment methods

Product is not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

20 01 13* Solvents

▼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	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group
** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

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

Restricted to professional users.

▼Demands for specific education

No specific requirements.

▼SEVESO - Categories / dangerous substances

Not applicable.

▼Additional information

Not applicable.

▼Sources

The Management of Health and Safety at Work Regulations 1999.
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

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
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

Reyhaneh R. Kanafi

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