

* 1 Identification

Product identifier

Trade name: **uriSTRONG**

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

Application of the substance / the mixture Delimiting agent

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

SUMS Group Pty Ltd
6/20 Narabang Way
Belrose NSW 2085
Tel: 02 9986 2700

Further information obtainable from:

Margrethe Ingemann
Email: margrethem@sums.com.au

Emergency telephone number:

02 9986 2700/0450 321 965

Use your national or local emergency number
See section 4 "First Aid Measures"

* 2 Hazard(s) Identification

Classification of the substance or mixture

Met. Corr. 1 H290 May be corrosive to metals.

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

Eye Dam. 1 H318 Causes serious eye damage.

Label elements

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

phosphoric acid

Hazard statements

May be corrosive to metals.

Causes severe skin burns and eye damage.

(Contd. on page 2)

Trade name: uriSTRONG

(Contd. of page 1)

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Keep only in original container.
Do not breathe mist/vapours/spray.
Wear protective gloves / eye protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT:

Inorganic product. The criteria of the PBT assessment according to REACH are not applicable for inorganic substances.

vPvB:

Inorganic product. The criteria of the vPvB assessment according to REACH are not applicable for inorganic substances.

*** 3 Composition and Information on Ingredients**

Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 7664-38-2	phosphoric acid	Met. Corr. 1, H290; Skin Corr. 1B, H314 Acute Tox. 4, H302	75%
----------------	-----------------	---	-----

Additional information: For the wording of the listed hazard phrases refer to section 16.

*** 4 First Aid Measures**

Description of first aid measures

General information:

In case of discomfort or doubt, seek medical advice.
If unconscious, use a stable lateral position and do not administer anything through mouth.
Immediately remove any clothing soiled by the product.

After inhalation:

Provide fresh air, if necessary rescue breathing, warming. Consult a physician immediately.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Take off immediately all contaminated clothing and wash it before reuse.

(Contd. on page 3)

Trade name: uriSTRONG

(Contd. of page 2)

Seek medical treatment.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Call a doctor immediately.

After swallowing:

Do NOT induce vomiting.

Rinse mouth.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Information for doctor:

Most important symptoms and effects, both acute and delayed

Causes burns.

Causes serious eye damage.

Indication of any immediate medical attention and special treatment needed

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

* **5 Fire Fighting Measures**

Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture

Not combustible.

During heating or in case of fire poisonous gases are produced.

In case of fire, the following can be released:

POx

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Precipitate gases/vapours with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

* **6 Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

(Contd. on page 4)

Trade name: uriSTRONG

(Contd. of page 3)

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

*** 7 Handling and Storage**

Handling:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Prevent formation of aerosols.

Avoid contact with skin and eyes.

Avoid breathing mist/vapours/spray.

Use personal protective equipment as required.

Eye wash bottles and emergency showers should be provided in the immediate area near the workplace.

Observe protective measures and safety instructions.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a dry, cool, well-ventilated area.

Store only in the original receptacle.

Store in accordance with local/regional/national/international regulations.

Information about storage in one common storage facility: Store away from incompatible materials.

Further information about storage conditions: Keep container tightly sealed.

Recommended storage temperature: room temperature

Storage class: 8 B

Specific end use(s) No further relevant information available.

*** 8 Exposure controls and personal protection**

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

Observe the member state specific regulations!

CAS: 7664-38-2 phosphoric acid

NES Short-term value: 3 mg/m³
Long-term value: 1 mg/m³

WES Short-term value: 3 mg/m³
Long-term value: 1 mg/m³

(Contd. on page 5)

Trade name: uriSTRONG

(Contd. of page 4)

DNELs		
CAS: 7664-38-2 phosphoric acid		
Oral	Long-term exposure - systemic effects	0.1 mg/kg bw/d (consumer)
Inhalative	Long-term exposure - systemic effects	4.57 mg/m ³ (consumer) 10.7 mg/m ³ (workers)
	Long-term exposure - local effects	0.36 mg/m ³ (consumer) 1 mg/m ³ (workers)
	short-term exposure - local effects	2 mg/m ³ (workers)

PNECs No data available.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing

Do not inhale gases / fumes / aerosols.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

EN 374

Material of gloves

Material recommendation:

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Recommended thickness of the material: ≥ 0.11 mm

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 6)

Trade name: uriSTRONG

(Contd. of page 5)

Penetration time of glove material

Breakthrough time: >480 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

EN 166

Body protection:

Acid resistant protective clothing

Select type and quality of protection clothes depending on concentration and quantity at the workplace.

Limitation and supervision of exposure into the environment

Do not allow to enter sewers/ surface or ground water.

*** 9 Physical and Chemical Properties**

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not applicable.
pH-value at 20 °C:	< 1

Change in condition

Melting point/freezing point:	-20 °C
Initial boiling point and boiling range:	135 °C

Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	No information available.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not applicable.
Upper:	Not applicable.
Oxidising properties	None.
Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	1.57 g/cm ³

(Contd. on page 7)

Trade name: uriSTRONG

(Contd. of page 6)

Vapour density	No information available.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	No information available.
Viscosity:	
Dynamic:	No information available.
Kinematic:	No information available.
Other information	No further relevant information available.

* 10 Stability and Reactivity

Reactivity No further relevant information available.
Chemical stability No decomposition if used and stored according to specifications.
Possibility of hazardous reactions
Reacts with alkali and metals.
Reactions with metal oxides.
Reacts with metals forming hydrogen.
Danger of explosion.
Conditions to avoid Protect from heat and direct sunlight.
Incompatible materials: Alkalis, metals, metal alloys, metal oxides.
Hazardous decomposition products: No dangerous decomposition products known.

* 11 Toxicological Information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	2,040 mg/kg (rat)
Dermal	LD50	3,653 mg/kg (rabbit)

CAS: 7664-38-2 phosphoric acid

Oral	LD50	1,530 mg/kg (rat)
Dermal	LD50	2,740 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation Caustic effect on skin and mucous membranes.

Serious eye damage/irritation

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

(Contd. on page 8)

Trade name: uriSTRONG

(Contd. of page 7)

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

*** 12 Ecological Information**

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability For inorganic ingredients, biodegradability methods are not applicable.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Results of PBT and vPvB assessment

PBT:

Inorganic product. The criteria of the PBT assessment according to REACH are not applicable for inorganic substances.

vPvB:

Inorganic product. The criteria of the vPvB assessment according to REACH are not applicable for inorganic substances.

Other adverse effects No further relevant information available.

*** 13 Disposal considerations**

Waste treatment methods

Recommendation

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Only dispose of product residues via authorised companies according to local legislation.

Uncleaned packaging:

Recommendation:

Empty the container completely and send it to a qualified specialist company for reconditioning, recycling or waste disposal.

(Contd. on page 9)

Trade name: uriSTRONG

(Contd. of page 8)

*** 14 Transport information**

UN-Number
ADG, IMDG, IATA UN1805
UN proper shipping name
ADG 1805 PHOSPHORIC ACID, SOLUTION
IMDG, IATA PHOSPHORIC ACID, SOLUTION
Transport hazard class(es)
ADG, IMDG, IATA



Class 8 Corrosive substances.
Label 8
Packing group
ADG, IMDG, IATA III
Environmental hazards: Not applicable.
Special precautions for user Warning: Corrosive substances.
Danger code (Kemler): 80
EMS Number: F-A,S-B
Segregation groups Acids
Stowage Category B
Stowage Code SW2 Clear of living quarters.
Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Transport/Additional information:

ADG
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
Transport category 3
Tunnel restriction code E

IMDG
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation": UN 1805 PHOSPHORIC ACID, SOLUTION, 8, III

(Contd. on page 10)

Trade name: uriSTRONG

(Contd. of page 9)

*** 15 Regulatory information**

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

Australian Inventory of Chemical Substances

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons

CAS: 7664-38-2 | phosphoric acid

S5, S6

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

phosphoric acid

Hazard statements

May be corrosive to metals.

Causes severe skin burns and eye damage.

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Keep only in original container.

Do not breathe mist/vapours/spray.

Wear protective gloves / eye protection.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

Immediately call a POISON CENTER/doctor.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 11)

Trade name: uriSTRONG

(Contd. of page 10)

* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

Training hints

Regular training of staff involved in the transport of dangerous goods (in accordance with Chapter 1.3 ADR).

Before handling, storage or use for the first time, employees must be informed about the properties of the substance and about measures taken to ensure safety and environmental protection.

Department issuing SDS:

UmEnA GmbH

<http://umena.at>

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

*** Data compared to the previous version altered.**