SECTION 1: Identification

Other means of identification

Trade name: uriTABS

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

Application of the substance / the mixture Cleaning agent

Details of the supplier of the safety data sheet

Manufacturer/Supplier:
uridan waterless solutions GmbH
Sandfeld 5
2100 Stetten
Austria
T: +43 2262 20 900

Further information obtainable from:
Product Management:
Email: office@uridan.com
T: +43 2262 20 900-70

Emergency telephone number:
+43 660 696 33 54
Available during office hours:
Mo - Th: 9. a. m. - 4 p. m.

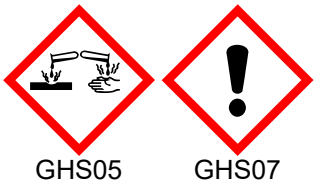
SECTION 2: Hazard(s) Identification

Classification of the substance or mixture

Corrosive to metals – Category 1	H290 May be corrosive to metals.
Skin corrosion/irritation – Category 2	H315 Causes skin irritation.
Eye damage/irritation – Category 1	H318 Causes serious eye damage.
Specific target organ toxicity (single exposure) – Category 3	H335 May cause respiratory irritation.

Additional information: For the wording of the hazard categories, see section 16.

Label elements
GHS label elements
The product is classified and labelled according to the Globally Harmonised System (GHS).
Hazard pictograms



GHS05 GHS07

Signal word Danger

(Contd. on page 2)

(Contd. of page 1)

Hazard-determining components of labelling:
Sodium carbonate (20 – < 25 %)
Hazard statements
May be corrosive to metals.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
Precautionary statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves / eye protection / face protection.
IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in corrosive resistant container with a resistant inner liner.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards
Results of PBT and vPvB assessment
PBT: The mixture does not contain PBT substances ≥ 0,1 %.
vPvB: The mixture does not contain vPvB substances ≥ 0,1 %.

SECTION 3: Composition and Information on Ingredients

Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 5329-14-6	sulphamidic acid Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319	70 – < 75%
CAS: 497-19-8	Sodium carbonate Eye damage/irritation – Category 1, H318 Specific target organ toxicity (single exposure) – Category 3, H335	20 – < 25%
CAS: 15630-89-4	disodium carbonate, compound with hydrogenperoxide (2:3) Oxidising solids - Category 3, H272 Eye damage/irritation – Category 1, H318 Acute toxicity - oral – Category 4, H302 ATE: LD50 oral: 500 mg/kg Specific concentration limits: Eye damage/irritation – Category 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 7.5 % ≤ C < 25 %	1 – 3%

(Contd. on page 3)

(Contd. of page 2)

CAS: 68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	1 – 3%
	Eye damage/irritation – Category 1, H318 Skin corrosion/irritation – Category 2, H315 Specific concentration limits: Eye damage/irritation – Category 1; H318: C ≥ 20 % Eye Irrit. 2; H319: 10 % ≤ C < 20 %	

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

SECTION 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.
After inhalation:
Supply fresh air; consult doctor in case of complaints.
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 contaminated clothing and wash it before reuse.
Seek medical treatment in case of complaints.
After eye contact:
Rinse opened eye for several minutes under running water.
Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical treatment.
After swallowing:
Rinse mouth.
Do NOT induce vomiting.
If the patient is conscious, make him drink water.
Call a doctor immediately.
Most important symptoms and effects, both acute and delayed
No further relevant information available.
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.

SECTION 5: Fire Fighting Measures

Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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
non-flammable
In case of fire, the following can be released:

(Contd. on page 4)

(Contd. of page 3)

CO_x, SO_x

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.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 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.

Avoid formation of dust.

Avoid breathing dust

Environmental precautions:

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

Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up:

Pick up mechanically.

Avoid formation of dust.

Dispose of the material collected according to regulations.

Clean again.

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.

SECTION 7: Handling and Storage

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Thorough dedusting.

Keep receptacles tightly sealed.

Avoid contact with skin and eyes.

Prevent formation of dust.

Avoid breathing dust

Use personal protective equipment as required.

Observe protective measures and safety instructions.

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

(Contd. on page 5)

(Contd. of page 4)

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Store in a dry, cool, well-ventilated area.
Unsuitable container material: Metals
Store in accordance with local/regional/national/international regulations.
Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from feeding stuff.
Do not store together with alkalis (caustic solutions).
Further information about storage conditions:
Keep container tightly sealed.
Protect from heat.
Protect from moisture.
Recommended storage temperature: room temperature
Storage class: 8B
Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls and personal protection

Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
CAS: 5329-14-6 sulphamidic acid		
Oral	Long-term exposure - systemic effects	5 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	5 mg/kg bw/d (consumer)
		10 mg/kg bw/d (workers)
Inhalative	Long-term exposure - systemic effects	17.4 mg/m³ (consumer)
		70.5 mg/m³ (workers)
CAS: 497-19-8 Sodium carbonate		
Inhalative	Long-term exposure - local effects	10 mg/m³ (workers)
	short-term exposure - local effects	10 mg/m³ (consumer)
CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)		
Inhalative	Long-term exposure - local effects	0.625 mg/m³ (consumer)
		1.25 mg/m³ (workers)
	short-term exposure - local effects	0.625 mg/m³ (consumer)
		1.25 mg/m³ (workers)
CAS: 68955-19-1 Sulfuric acid, mono-C12-18-alkyl esters, sodium salts		
Oral	Long-term exposure - systemic effects	24 mg/kg bw/d (consumer)
Dermal	Long-term exposure - systemic effects	2,440 mg/kg bw/d (consumer)

(Contd. on page 6)

(Contd. of page 5)

Inhalative	Long-term exposure - systemic effects	4,060 mg/kg bw/d (workers) 85 mg/m³ (consumer) 285 mg/m³ (workers)

PNECs	
CAS: 5329-14-6 sulphamidic acid	
fresh water	1.8 mg/l
sea water	0.18 mg/l
intermittent release (fresh water)	0.48 mg/l
STP	20 mg/l
sediment (fresh water)	8.36 mg/kg dw
sediment (sea water)	0.84 mg/kg dw
soil	5 mg/kg dw
CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)	
fresh water	0.013 mg/l
sea water	0.013 mg/l
intermittent release (fresh water)	0.014 mg/l
STP	4.66 mg/l
sediment (fresh water)	0.047 mg/kg dw
sediment (sea water)	0.047 mg/kg dw
soil	0.002 mg/kg dw
CAS: 68955-19-1 Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	
fresh water	0.098 mg/l
sea water	0.01 mg/l
intermittent release (fresh water)	0.013 mg/l
STP	6.8 mg/l
sediment (fresh water)	3.45 mg/kg dw
sediment (sea water)	0.345 mg/kg dw
soil	0.631 mg/kg dw

Regulatory information
Additional Occupational Exposure Limit Values for possible hazards during processing:
The national dust limits must be observed in the event of dust generation.
Additional information: The lists valid during the making were used as basis.

Exposure controls
Appropriate engineering controls
No further data; see section 7.
Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.

(Contd. on page 7)

(Contd. of page 6)

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.
Prevent formation of dust.
Avoid breathing dust
Immediately remove all soiled and contaminated clothing.
Ensure adequate ventilation.

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 in case of insufficient ventilation.
Hand protection

Protective gloves

EN 374
The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Material of gloves
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.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/face protection

Tightly sealed goggles

EN 166
Body protection: Protective work clothing
Environmental exposure controls
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

(Contd. on page 8)

(Contd. of page 7)

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

General Information	
Physical state	Solid
Colour:	White
Odour:	Lemon
Odour threshold:	No information available.
Melting point/freezing point:	No information available.
Boiling point or initial boiling point and boiling range	No information available.
Flammability	Not determined.
Lower and upper explosion limit	
Lower:	No information available.
Upper:	No information available.
Flash point:	Not applicable.
Decomposition temperature:	No information available.
pH at 20 °C	1.6 (1%)
Viscosity:	
Kinematic viscosity	Not applicable.
Dynamic:	Not applicable.
Solubility	
water:	Fully miscible.

Partition coefficient n-octanol/water (log value)

5329-14-6	sulphamidic acid	-4,34 (pH < 2, 20 °C) log Kow
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	≤ -2,1 log Kow

Vapour pressure:	Not applicable.
Density and/or relative density	
Density:	No information available.
Vapour density	Not applicable.
Particle characteristics	Not determined.
Other information	
Appearance:	
Form:	Solid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	No information available.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Oxidising properties	None.
Evaporation rate	Not applicable.

(Contd. on page 9)

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Information with regard to physical hazard classes	
Explosives	void
Flammable gases	void
Aerosols	void
Oxidising gases	void
Gases under pressure	void
Flammable liquids	void
Flammable solids	void
Self-reactive substances and mixtures	void
Pyrophoric liquids	void
Pyrophoric solids	void
Self-heating substances and mixtures	void
Substances and mixtures, which emit flammable gases in contact with water	void
Oxidising liquids	void
Oxidising solids	void
Organic peroxides	void
Corrosive to metals	May be corrosive to metals.
Desensitised explosives	void

SECTION 10: Stability and Reactivity

Reactivity May be corrosive to metals.
Chemical stability No decomposition if used and stored according to specifications.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid
Protect from moisture.
Keep away from heat.
Incompatible materials:
Alkalis (lyes)
metals
Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological Information

Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	16,667 – 50,000 mg/kg

CAS: 5329-14-6 sulphamidic acid		
Oral	LD50	2,065 mg/kg (rat)

(Contd. on page 10)

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Dermal	LD50	> 2,000 mg/kg (rat)
CAS: 497-19-8 Sodium carbonate		
Oral	LD50	2,800 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (Rabbit)
CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)		
Oral	LD50	500 mg/kg (ATEmix)
		1,034 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (Rabbit)
CAS: 68955-19-1 Sulfuric acid, mono-C12-18-alkyl esters, sodium salts		
Oral	LD50	4,010 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (Rabbit)

Primary irritant effect:
Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye damage.
Respiratory or 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 May cause respiratory irritation.
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.
Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological Information

Toxicity

Aquatic toxicity:	
CAS: 5329-14-6 sulphamidic acid	
EC50 (48 h)	71.6 mg/l (daphnia) (Daphnia magna)
LC50 (96 h)	70.3 mg/l (fish) (Pimephales promelas)
NOEC (72 h)	18 mg/l (algae)
ErC50 (72 h)	48 mg/l (algae) (Desmodesmus subspicatus)
EC50 (21 d)	> 60 mg/l (daphnia)
CAS: 497-19-8 Sodium carbonate	
EC50 (48 h)	200 – 227 mg/l (daphnia) (Ceriodaphnia sp.)
LC50 (96 h)	300 mg/l (fish)
CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)	
EC50 (48 h)	4.9 mg/l (daphnia) (Daphnia pulex)

(Contd. on page 11)

(Contd. of page 10)

LC50 (96 h)	70.7 mg/l (fish) (Pimephales promelas)
NOEC (96 h)	7.4 mg/l (fish) (Pimephales promelas)
NOEC (48 h)	2 mg/l (daphnia) (Daphnia pulex)

CAS: 68955-19-1 Sulfuric acid, mono-C12-18-alkyl esters, sodium salts

EC50 (48 h)	2.8 mg/l (daphnia) (Daphnia magna)
EC50 (72 h)	20 mg/l (algae) (Desmodesmus subspicatus)
LC50 (96 h)	1.3 mg/l (fish) (Danio rerio)
NOEC (72 h)	3 mg/l (algae)
EC50 (3 h)	680 mg/l (microorganisms)

Persistence and degradability

68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	> 60 % (28 d)

Bioaccumulative potential

5329-14-6	sulphamidic acid	-4,34 (pH < 2, 20 °C) log Kow
68955-19-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts	≤ -2,1 log Kow

Mobility in soil No further relevant information available.
Results of PBT and vPvB assessment
PBT: The mixture does not contain PBT substances ≥ 0,1 %.
vPvB: The mixture does not contain vPvB substances ≥ 0,1 %.
Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.
Other adverse effects
Remark: Harmful to fish
Additional ecological information:
General notes:
Harmful to aquatic life with long lasting effects.
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.
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.

SECTION 13: Disposal considerations

Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Only dispose of product residues via authorised companies according to local legislation.

Uncleaned packaging:
Recommendation:
Dispose of packaging according to regulations on the disposal of packagings.

(Contd. on page 12)

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Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

UN number or ID number
ADG, IMDG, IATA UN2967
UN proper shipping name
ADG 2967 SULPHAMIC ACID mixture
IMDG, IATA SULPHAMIC ACID mixture
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.
Hazard identification number (Kemler code): 80
EMS Number: F-A,S-B
Segregation groups (SGG1) Acids
Stowage Category A
Segregation Code SG36 Stow "separated from" SGG18-alkalis.
SG49 Stow "separated from" SGG6-cyanides
Maritime transport in bulk according to IMO instruments Not applicable.

Transport/Additional information:

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

IMDG
Limited quantities (LQ) 5 kg
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g

(Contd. on page 13)

(Contd. of page 12)

UN "Model Regulation": UN 2967 SULPHAMIC ACID MIXTURE, 8, III

SECTION 15: Regulatory information

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

Australian Inventory of Industrial Chemicals

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons

CAS: 5329-14-6	sulphamidic acid	S5, S6
CAS: 15630-89-4	disodium carbonate, compound with hydrogenperoxide (2:3)	S5, S6

Australia: Priority Existing Chemicals

None of the ingredients is listed.

GHS label elements

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

Hazard pictograms

GHS05 GHS07

Signal word Danger

Hazard-determining components of labelling:

Sodium carbonate (20 – < 25 %)

Hazard statements

May be corrosive to metals.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves / eye protection / face protection.
IF INHALED: Remove victim to fresh air and keep at rest in a position 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.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in corrosive resistant container with a resistant inner liner.
Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 14)

(Contd. of page 13)

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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
H272 May intensify fire; oxidizer.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
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
Email: office@umena.at
Abbreviations and acronyms:
ADR: Accord relatif au transport international 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
Oxidising solids - Category 3: Oxidizing solids – Category 3
Corrosive to metals – Category 1: Corrosive to metals – Category 1
Acute toxicity - oral – Category 4: Acute toxicity – Category 4
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1
Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3