# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) Issue date: 8/1/2014 Revision date: 6/21/2023 Supersedes version of: 2/15/2018 Version: 3.2

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : SULFACID LCN

UFI : 11D0-R0WJ-7001-EAVR

Product code : SALE08
Type of product : Fertilizer
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use Function or use category : Fertilisers

Title	Use descriptors
Professional use : Fertilizer (Source : Chemical safety report)	SU1, SU22, PC12, PROC5, PROC8b, PROC19, ERC8b, ERC8e

Full text of use descriptors: see section 16

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

TIMAC Agro España S.A.

Polígono de Arazuri-Orcoyen, calle C, nº32

ES 31160 ORCOYEN (NAVARRA)

España

T +34 948 324 500, F +34 948 324 032

info-fds@timacagro.es, www.timacagro.es

#### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Americas	3E		+1-760-476-3962 (Access code : 333021)	(24/7)
Europe/Middle- East/Africa	3E		+1-760-476-3961 (Access code : 333021)	(24/7)

# **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Corrosive to metals, Category 1 H290
Skin corrosion/irritation, Category 1, Sub-Category 1A H314
Serious eye damage/eye irritation, Category 1 H318

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

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#### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

Signal word (CLP) : Danger

Contains : uronium hydrogen sulphate
Hazard statements (CLP) : H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP) : P260 - Do not breathe spray.

P280 - Wear protective clothing/eye protection/face protection, protective gloves. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated

clothing. Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician.

## 2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# **SECTION 3: Composition/information on ingredients**

## 3.1. Substances

Not applicable

## 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Uronium hydrogen sulphate	CAS-No.: 21351-39-3 EC-No.: 244-343-6 REACH-no: 01-2119782904- 26	> 3	Met. Corr. 1, H290 Eye Dam. 1, H318

Full text of H- and EUH-statements: see section 16

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

First-aid measures general

First-aid measures after inhalation

: Prompt treatment is essential to minimize damage.

Take victim to fresh air, in a quiet place in an half laying position and urgently take medical advice. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact

: For even minor contact, immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Do not remove clothing if it sticks to the skin. Get immediate medical advice/attention. Wash contaminated clothing before reuse.

First-aid measures after eye contact

: Wash immediately with plenty water (during 20 minutes), also under eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist immediately, even if there are no immediate symptoms. If possible show him this sheet. Failing this, show him the packaging or label.

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First-aid measures after ingestion

: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Unconscious: maintain adequate airway and respiration. Place the affected person in the recovery position. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : see section(s): 2.1/2.3).

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

Treat symptomatically.

# **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Suitable extinguishing media : Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : Gives off hydrogen by reaction with metals.

Hazardous decomposition products in case of fire : When exposed to high temperatures may produce hazardous decomposition products such

as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx). Sulphur oxides.

## 5.3. Advice for firefighters

Precautionary measures fire : Evacuate area. Eliminate all ignition sources if safe to do so.

Firefighting instructions : Control the vapours with a water spray. Use water spray or fog for cooling exposed

containers. Prevent fire fighting water from entering the environment. Contain the

extinguishing fluids by bunding.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Complete protective clothing. EN 469. Self-contained breathing apparatus.

Other information : Only qualified personnel equipped with suitable protective equipment may intervene.

Relevant water authorities should be notified of any large spillage to water course or drain.

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material damage. Remove ignition sources. Evacuate area.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate and limit access. Mark the danger area. Do not touch or walk on the spilled

product. Avoid contact with skin, eyes and clothing. Only qualified personnel equipped with

suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. acid-resistant protective

clothing. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

#### 6.2. Environmental precautions

Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if product enters sewers or public waters.

# 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or

streams.

Methods for cleaning up : Pump up the product into a suitably labelled spare container. Small quantities of liquid spill:

take up in non-combustible absorbent material and shovel into container for disposal.

Other information : Dispose of materials or solid residues at an authorized site.

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#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

Additional hazards when processed

Precautions for safe handling

Hygiene measures

May be corrosive to metals.

Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours. Use personal protective equipment as required. Avoid contact with skin, eyes and clothing. Do not handle until all safety precautions have been read and understood. Emergency eye wash fountains and safety showers should be available in the immediate

vicinity of any potential exposure.

 Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
 Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Handle in accordance with good industrial hygiene and safety practice.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : The floor of the depot should be impermeable and designed to form a water-tight basin.

Store on an acid resistant underground. Comply with applicable regulations.

Storage conditions : Protect from sunlight. Store in a well-ventilated place. Store closed containers with closure

in upper position. Store locked up. Keep out of reach of children.

Incompatible products : Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity. Storage temperature : 0 - 30 °C Material should be stored to avoid freezing and to prevent bursting containers

Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

Special rules on packaging : Keep only in original container. Store in a closed container.

Packaging materials : Do not store in corrodable metal.

#### 7.3. Specific end use(s)

see section(s): 1.2. Relevant identified uses of the substance or mixture and uses advised against).

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

## 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

# 8.2.1. Appropriate engineering controls

## Appropriate engineering controls:

Ensure good ventilation of the work station. Local exhaust and general ventilation must be adequate to meet exposure standards.

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#### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):











#### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

Eye protection			
Туре	Field of application	Characteristics	Standard
Face shield	Droplet	With side shields	EN 166

# 8.2.2.2. Skin protection

# Skin and body protection:

Skin protection appropriate to the conditions of use should be provided

Skin and body protection	
Туре	Standard
Chemical resistant apron	EN 14605
Boots	EN 13832-1, EN 13832-2, EN 13832-3

## Hand protection:

Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Butyl rubber, Nitrile rubber	6 (> 480 minutes)			EN ISO 374

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
Disposable half mask, Reusable half mask	ABEK-P3	Mist formation, Vapour protection	EN 136, EN 143, EN 14387

# 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

## Environmental exposure controls:

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Assure that emissions are compliant with all applicable air pollution control regulations. Comply with applicable regulations.

## Other information:

See Section 7: 7.1. Precautions for safe handling.

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## **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid Colour brown. Characteristic. Odour Odour threshold Not available Melting point Not available Freezing point Not available Boiling point Not available Flammability : Not available

Explosive properties : Product is not explosive.

Oxidising properties : Non oxidizing material according to EC criteria.

Lower explosion limit : Not available
Upper explosion limit : Not available
Flash point : Not available
Auto-ignition temperature : Not available
Decomposition temperature : Not available

pH : <2

Viscosity, kinematic : Not available Solubility : Water: Soluble Partition coefficient n-octanol/water (Log Kow) : Not available : Not available Vapour pressure Vapour pressure at 50°C : Not available Density : 1.53 kg/l Relative density : Not available Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

## 9.2. Other information

## 9.2.1. Information with regard to physical hazard classes

No additional information available

## 9.2.2. Other safety characteristics

No additional information available

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

# 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

## 10.5. Incompatible materials

Strong acids. Strong bases. Oxidation agents. Carbonates.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In case of fire: See Section 5.

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## **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: No experimental study on the product is available. The information given is base

: No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation

calc

	FΔ	$\sim$		140
	$-\Delta$	( : 1	 	: NI

LD50 oral rat 2368.546 mg/kg

Skin corrosion/irritation : Causes severe skin burns.

pH: < 2

Serious eye damage/irritation : Causes serious eye damage.

pH: < 2

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by

knowledge of the components and the classification of the product is determined calculation

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our

knowledge of the components and the classification of the product is determined by calculation

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our

knowledge of the components and the classification of the product is determined by calculation

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by

calculation

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our

knowledge of the components and the classification of the product is determined by

calculation

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

: No experimental study on the product is available. The information given is based on our

knowledge of the components and the classification of the product is determined by

calculation

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Additional information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by

calculation

## 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The substance/mixture has no endocrine disrupting properties, Mixture does not contain substance (s) classified as PBT or vPvB in concentrations above 0,1%.

#### 11.2.2. Other information

Additional information

No additional information available

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

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Ecology - water	:	Do not allow large quantities, as are, to spread into the environment. Do not discharge into
		drains or rivers.
Hazardous to the aquatic environment, short-term	:	Not classified (Based on available data, the classification criteria are not met; No
(acute)		experimental study on the product is available. The information given is based on our

knowledge of the components and the classification of the product is determined by

Hazardous to the aquatic environment, long-term (chronic)

Not classified (Based on available data, the classification criteria are not met; No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation)

Uronium hydrogen sulphate (21351-39-3)	
NOEC (acute)	1000 mg/l 3h

## 12.2. Persistence and degradability

SULFACID LCN	
Persistence and degradability Not established.	
Uronium hydrogen sulphate (21351-39-3)	
Persistence and degradability Not established.	

## 12.3. Bioaccumulative potential

SULFACID LCN		
Bioaccumulative potential Not established.		
Uronium hydrogen sulphate (21351-39-3)		
Bioaccumulative potential Not established.		

#### 12.4. Mobility in soil

No additional information available

# 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

#### 12.7. Other adverse effects

Other adverse effects : May cause eutrophication at very low concentration.

Additional information · No other effects known

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Additional information

HP Code

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations. Product/Packaging disposal recommendations

: Discharging into rivers and drains is forbidden.

: Do not re-use empty containers.

: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

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# **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
UN 1760	UN 1760	UN 1760	UN 1760	UN 1760
14.2. UN proper shippin	g name			
CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate )	CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate)	CORROSIVE LIQUID, N.O.S (Uronium hydrogen sulphate )	CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate)	CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate)
Transport document descr	iption			
UN 1760 CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate ), 8, III, (E)	UN 1760 CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate ), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S (Uronium hydrogen sulphate ), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate ), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S. (Uronium hydrogen sulphate ), 8, III
14.3. Transport hazard o	class(es)			
8	8	8	8	8
8	8	8	8	8
14.4. Packing group				
III	III	III	III	III
14.5. Environmental haz	ards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary informatio	n available	<u>I</u>	I.	I.

# 14.6. Special precautions for user

## **Overland transport**

Classification code (ADR) : C9
Special provisions (ADR) : 274
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special provisions : TP1, TP28

(ADR)

Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Hazard identification number (Kemler No.) : 80

Orange plates

80 1760

: E

Tunnel restriction code (ADR)

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## Transport by sea

Special provisions (IMDG) : 223.274 : 5 L Limited quantities (IMDG) Excepted quantities (IMDG) : E1 Packing instructions (IMDG) P001, LP01 IBC packing instructions (IMDG) IBC03 Tank instructions (IMDG) T7 Tank special provisions (IMDG) TP1, TP28 EmS-No. (Fire) : F-A : S-B EmS-No. (Spillage) Stowage category (IMDG) Α

Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

: SW2

#### Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y841 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 852 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 856 CAO max net quantity (IATA) : 60L Special provisions (IATA) : A3 ERG code (IATA) : 8L

#### **Inland waterway transport**

Stowage and handling (IMDG)

Classification code (ADN) : C9
Special provisions (ADN) : 274
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Carriage permitted (ADN) : T
Equipment required (ADN) : PP, EP
Number of blue cones/lights (ADN) : 0

#### Rail transport

Classification code (RID) : C9
Special provisions (RID) : 274
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T7

Portable tank and bulk container special provisions : TP1, TP28

(RID)

Tank codes for RID tanks (RID) : L4BN
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 80

# 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# **SECTION 15: Regulatory information**

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

## 15.1.1. EU-Regulations

## **REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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#### **REACH Annex XIV (Authorisation List)**

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

## **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

## **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

#### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

#### **Seveso Directive (Disaster Risk Reduction)**

Seveso Additional information : Not regulated

#### **Explosives Precursors Regulation (2019/1148)**

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

## **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

Ensure all national/local regulations are observed

## 15.2. Chemical safety assessment

#### For the following substances of this mixture a chemical safety assessment has been carried out:

Uronium hydrogen sulphate

## **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes	Modified	
	Revision date	Modified	
2.2	Extra phrases	Added	

Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
H290	May be corrosive to metals.	
H314	Causes severe skin burns and eye damage.	
H318	Causes serious eye damage.	
Met. Corr. 1	Corrosive to metals, Category 1	

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Full text of use descriptors		
ERC8b	Wide dispersive indoor use of reactive substances in open systems	
ERC8e	Wide dispersive outdoor use of reactive substances in open systems	
PC12	Fertilizers	
PROC19	Hand-mixing with intimate contact and only PPE available	
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)	
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	
SU1	Agriculture, forestry, fishery	
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Met. Corr. 1	H290	Calculation method
Skin Corr. 1A	H314	On basis of test data
Eye Dam. 1	H318	Annex VII conversion

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.