

**SAFETY DATA SHEET****PRODUCT NAME:** Accepta 2316**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**Chemical Identity Sulphamic Acid and Amine based inhibitor  
Recommended use: Descaling PowderSupplier Accepta Limited  
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Machester, M32 0FP  
UK  
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**2. COMPOSITION/INFORMATION ON INGREDIENTS CONTRIBUTING TO HAZARD CLASSIFICATION AND/OR HAVE COMMUNITY WORKPLACE EXPOSURE LIMITS**

	CAS No	Contents	Health (class)	Risk(R)
Product contains: Sulphamic acid (solid)	005329-14-6	>50%	Xi	36/38, 52/53
Inhibitor (liquid)	n/a	<0.5%	Xn	20/21/22, 38, 41

**3. HAZARD IDENTIFICATION OF PREPARATION**Sulphamic Acid - Symbol(s) Xi, Risk Phrase(s) 36/38, 52/53  
Inhibitor - Symbol(s) Xn Risk Phrase(s) 20/21/22, 38, 41  
Acid powder and solution: Irritating to skin and eyes. Harmful to aquatic environment.  
Inhibitor: Harmful by inhalation, in contact with skin and if swallowed. Irritating to skin, risk of serious damage to eyes.**4. FIRST AID MEASURE**

General Instructions: In all cases of doubt, or when symptoms persist, seek more advice. Remove from exposure, rest and keep warm. Seek medical attention, treat symptomatically.

Skin Contact: Drench affected area with plenty of water, remove contaminated clothing immediately. Seek medical attention.

Eye Contact: Irrigate the eyes thoroughly with water for at least 15 minutes, holding the eyelids apart if necessary. Obtain medical attention.

Ingestion: Wash out mouth with water and give plenty of water to drink. DO NOT induce vomiting. Obtain medical attention.

**5. FIRE FIGHTING MEASURE**Extinguishing Media Use extinguisher suitable to cause of fire  
Unsuitable Extinguishing Media None  
Hazardous Combustion Products Oxides of sulphur and nitrogen, ammonia  
Special equipment for fire fighting Self-contained breathing apparatus**6. ACCIDENTAL RELEASE MEASURES**Personal Precautions Wear appropriate personal protective equipment (See also Section 8)  
Environmental Precautions Do not allow undiluted material to contaminate sewers or water courses  
Clean up Procedure Sweep up and recover/recycle if practicable, otherwise place in a suitable container and hold for waste disposal.**7. HANDLING AND STORAGE**Handling Employ good industrial hygiene practice, avoid breathing dust  
Storage Store in a cool, dry area**8. EXPOSURE CONTROLS**Exposure Limit for Sulphamic acid: (8hrs) 1mg/m<sup>3</sup> TWA Type Suggestion**Protective Measures**Respiratory: In the event where significant exposure is possible wear self contained breathing apparatus  
Hand: Wear suitable impervious gloves  
Eye: Wear chemical goggles  
Skin: Wear suitable overalls

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Colourless, white crystalline solid	Solubility in water	213g/L @ 20°C
Odour		Solubility in other solvents	Not known
pH	1.2 @ 10g/L solution, 25°C	Partition coefficient and N-octanol/water	-
Boiling Point/Boiling Range	n/a	Other Data	None
Melting Point/Melting Range	205°C with decomposition		
Flash Point	n/a		
Flammability	n/a		
Autoflammability	n/a		
Explosive Properties	n/a		
Oxidising Properties	n/a		
Vapour Pressure	Not determined		
Relative Density	2.13g/cm <sup>3</sup>		

**10. STABILITY AND REACTIVITY**

Stability	Decomposes above melting point
Conditions to Avoid	Strong solutions should not be heated in poorly vented containers
Materials to Avoid	Alkalies, strong oxidising agents
Hazardous Decompositions	Oxides of sulphur and nitrogen

**11. TOXICOLOGICAL INFORMATION**

Effects;	Irritating to eyes, skin and mucous membranes effects are increased with moisture LD50 1600 mg/Kg oral - rat
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**12. ECOLOGICAL INFORMATION**

Environmental Effects	Aquatic toxicity LC50 fish (pimephates prumeles) 96h = 70.3mg/L
Mobility	n/a
Degradability	n/a
Bioaccumulative Potential	n/a
Marine Pollutant	n/a

**13. DISPOSAL CONSIDERATIONS**

Product :	In accordance with national waste regulations
Container:	As substance

**14. TRANSPORT INFORMATION**

LAND TRANSPORT

UN Class	8	Item Number	8, 27°C
UN Number	2967	ADR Class	8
		Packaging Group	111
Proper Shipping Name (PSN)	Sulphamic acid, UN No 2967		

SEA TRANSPORT

UN Number	2967	Class	8
Packing Group	111	Marine Pollutant	NO
EMS	8-08	MFAG	700
		IMDG Code	8229
		PSN	Same as above

**15. REGULATORY INFORMATION**

Chemical identity:	Sulphamic Acid
Labelling according to the chemical (Hazard Information and Packaging) Regulations 2002, CHIP 3	
EEC Number	226-218-8
Symbol(s)	Sulphamic acid - I - Irritant    Inhibitor - H - Harmful
Risk Phrase(s) (Sulphamic Acid)	R36/38 - Irritating to eyes and skin R52/53 - Harmful to aquatic organisms and may cause long term adverse effect in the aquatic environment.
Risk Phrase(s) (Inhibitor)	R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed R38 - Irritating to skin R41 - Risk of serious damage to eyes
Safety Phrase(s)	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 - After contact with skin, wash immediately with plenty of water and seek medical advice. S36/37/39 -Wear suitable protective clothing, gloves and eye/face protection

**16. OTHER INFORMATION**

Further details might be available upon request from Accepta Limited.

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