

SAFETY DATA SHEET

Antistone

Preparation Date: 25-Aug-2015

Revision Number: 3

Revision Date: 10-Feb-2017

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	Antistone
Item#:	AUS54468
Recommended use	Acid detergent
Uses advised against	Restricted to professional users

Supplier	DeLaval Pty Ltd 1 Global Drive Westmeadows, VIC 3049 Australia Telephone 61-3-8336-7977
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Emergency Telephone Number	131 126 (Poison Control Centre)
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2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Skin corrosion/irritation - Category 1A
 Serious eye damage/eye irritation - Category 1

2.2. Label Elements

Hazard Pictogram(s)



Name of hazard pictogram(s)

Corrosion

Signal word

DANGER

Hazard Statements

H314 - Causes severe skin burns and eye damage

Precautionary statements

P102 - Keep out of reach of children
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P264 - Wash hands thoroughly after handling
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P363 - Wash contaminated clothing before reuse
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P310 - Immediately call a POISON CENTER/doctor.
 P405 - Store locked up
 P501 - Dispose of contents/container in accordance with local regulations

Note

Signal words and pictograms are not required on labels for AgVet chemicals.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Nitric acid	7697-37-2	10 - 30%
Water	7732-18-5	> 60%
Sulfamic acid	5329-14-6	1 - 10%
Acid Orange II	633-96-5	0 - 1%

4. FIRST AID MEASURES

General Advice

Show this safety data sheet to the doctor in attendance. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Skin contact

Rinse with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Inhalation	Move to fresh air. Call a physician or Poison Control Centre immediately.
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.
Effects of overexposure	No information available
Indication of any immediate medical attention and special treatment needed	No information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available
Specific hazards arising from the chemical	The product causes burns of eyes, skin and mucous membranes.
Protective Equipment and Precautions for Firefighters	Standard procedure for chemical fires.
Hazchem Code	2R

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for cleaning up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Safe Handling Advice	Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Storage	Keep container tightly closed in a dry and well-ventilated place.
Incompatible products	No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Chemical Name	ES-TWA	ES-STEL	ES-Peak
Nitric acid	2 ppm 5.2 mg/m ³	4 ppm 10 mg/m ³	

Biological standards

No biological limit allocated

Engineering Controls

Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Eye/face Protection

Tightly fitting safety goggles

Skin Protection

Long sleeved clothing, Chemical resistant apron, Boots

Hand Protection

Neoprene gloves

Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

General Hygiene Considerations

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Orange

Physical state

Liquid

Odor

No information available

Odor Threshold

No information available

pH

No data available

pH (1%)

1.5

Specific Gravity

1.13

Vapor Pressure

No data available

Vapor Density

No data available

Flash Point

No data available

Autoignition Temperature

No data available

Boiling Point/Range

No data available

Melting Point/Range

No data available

Freezing Point/Range

No data available

Decomposition temperature

No information available

Flammability (solid, gas)

No information available

Explosion Limits

No information available

Evaporation Rate

No data available

Relative Density

No data available

Solubility

No information available

Partition Coefficient

No data available

(n-octanol/water)

Viscosity

No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal use
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	bases, bleach, organic materials
Hazardous decomposition products	No information available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Inhalation	No information available.
Skin contact	No information available.
Ingestion	No information available.

Component Analysis - LD50/LC50

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Nitric acid 7697-37-2			= 67 ppm (Rat) 4 h = 130 mg/m ³ (Rat) 4 h
Sulfamic acid 5329-14-6	316 mg/kg (Rat)		

Potential Health Effects

Skin Corrosion/Irritation	Corrosive to skin. Causes severe burns. (. Category 1A.).
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitization	No information available.
Mutagenic effects	No information available.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive Effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	Not hazardous.
Aspiration Hazard	No information available.
Information on likely routes of exposure	No known significant effects or critical hazards
Early onset symptoms related to exposure (Immediate effects)	None known

Delayed health effects from exposure none known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Nitric acid		72: 96 h Gambusia affinis mg/L LC50		
Sulfamic acid		LC50= 70.3 mg/l (96 Hrs)		

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility Will likely be mobile in the environment due to its water solubility.

Other adverse effects No information available

Biodegradation No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated Packaging Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.

Personal precautions Use personal protective equipment. Avoid contact with skin, eyes and clothing. For personal protection see section 8.

14. TRANSPORT INFORMATION

Road and Rail transport

UN-No	1760
Proper Shipping Name	Corrosive liquid, n.o.s
Technical name	Nitric acid, Sulfamic acid
Hazard Class	8
Packing Group	III
Environmental hazard	Not regulated
Special Precautions	Not regulated
Hazchem Code	2R

IMDG/IMO

UN-No	No information available
Proper shipping name	No information available
Hazard Class	No information available
Packing Group	No information available
IMDG Marine Pollutant	No information available

IATA/ICAO

UN-No	No information available
Proper Shipping Name	No information available
Hazard Class	No information available
Packing Group	No information available

EPG Code	8A1
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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	No information available
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Poison Schedule Number	Schedule 6
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APVMA Approval Number	54468
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16. OTHER INFORMATION

Prepared By	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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Reason for revision	Update Section: 2 (classification according to GHS).
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Disclaimer

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End of SDS